



ATHARVA INSTITUTE OF MANAGEMENT STUDIES

(Approved by AICTE, DTE & Affiliated to University of Mumbai)
(NAAC Accredited)

FACULTY DEVELOPMENT PROGRAMME

From 27th March 2021 till 22nd May 2021

A Report

Prepared by -

Dr. Shubhi Lall Agarwal

Director-IQAC/Head-R & D Cell, AIMS, Mumbai

Powered by IQAC, AIMS

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Objective of FDP

- To develop a research culture amongst the faculty members
- To understand the data analysis part in research papers and projects
- To understand SPSS tools with hands on experience
- To help the budding researchers in their existing research work/Pursuing Ph.D. work

About FDP

The Five days FDP was conducted in online mode via google meet link. It was attended by all the faculty members of AIMS from their homes. Sinche pandemic was there, all were given timestamp attendance due to connectivity issues for the same and considered attending the FDP.

The faculty members were taught through live demonstration and later they were asked to demonstrate on dummy data.

The data was shared by the trainer with all the faculty members. The were asked to come prepared with SPSS trial version installed on their computers.

Overall it was a wonderful FDP organised and conducted by IQAC in collaboration with Dr. Sangeeta Trott, Professor, ITM, Navi Mumbai, India.

Flyer of Faculty Development Programme



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INVITES

**DR SANGEETA TROTT, PROFESSOR,
ITM, NAVI MUMBAI
FOR
FACULTY DEVELOPMENT PROGRAMME
AS A GUEST SPEAKER**

WORKSHOP on SPSS
Session 1
Date: 08/05/2021, Saturday

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INVITES

**DR SANGEETA TROTT, PROFESSOR,
ITM, NAVI MUMBAI
FOR
FACULTY DEVELOPMENT PROGRAMME
AS A GUEST SPEAKER**

WORKSHOP on SPSS

Session 2 & 3

Date: 22/05/2021, Saturday

Time: 10.00 AM - 1.00 PM



Schedule of the FDP

Resource Person		Dr. Sangeeta Trott, Professor, ITM, Mumbai,india			
https://meet.google.com/ycb-iguf-kty					
Topic	SESSION NO.	Date	WEEKDAY	Duration	TIME
RESEARCH WRITING					
How to write a Research Paper	1	27/03/2021	5TH SATURDAY	1.5 hours	10.00 am - 11.30 am
How to publish Articles in Journal	2	10/04/2021	2ND SATURDAY	1.5 hours	10.00 am - 11.30 am
How to write a Research Proposal	3	24/04/2021	4TH SATURDAY	1.5 hours	10.00 am - 11.30 am
Workshop on SPSS					
SESSION 1	1	08/05/2021	2ND SATURDAY	1.5 hours	10.00 am - 11.30 am
SESSION 2	2	22/05/2021	4TH SATURDAY	3.00 hours	10.00 am – 1.00 am
SESSION 3	3	22/05/2021	4TH SATURDAY		
Organised by:		Dr. Shubhi Lall, Director, IQAC,AIMS shubhi.lall@atharvaims.edu.in			

About Dr Sangeeta Trott

Dr Sangeeta Trott is a Professor in Marketing and Research Head at ITM Business School, Navi Mumbai. She has more than 22 years of experience in Teaching and Research. Dr Sangeeta Trott is a post doctorate in commerce and management from Indian Council of Social Science Research, New Delhi. She is the recipient of Reserve Bank of India Scholarship Scheme of Faculty Members of Academic Institutes, 2016 and funded project on Online Gaming Addiction from Academy of Marketing Science, USA. Currently she is working on a funded project on green CSR under Ministry of Corporate Affairs, New Delhi. Dr Sangeeta Trott has over 30 papers in reputed journals including journals like Addictive Behaviours, Journal of International Marketing International Marketing Review, International Journal of Consumer Studies and many others. She has presented over 40-50 papers in national and international conferences including, Singapore Management University, Curtin university, AMS Conference Ahmedabad, IIM Bangalore, IIM Kolkata, IIM Raipur and many others. Dr Sangeeta Trott has also conducted number of Faculty development programs on research related topics like ; Writing research papers, Working on funded projects and many others. She has also authored a book “ Brand Equity-An Indian Perspective” Published by Pearson Hall of India. Dr Sangeeta Trott has been invited as a speaker for various seminars in various colleges in Mumbai. She has also been the convenor of national conference organized at ITM and has also chaired sessions in various conferences in India. Her main areas of interest includes, Branding, sustainability, societal challenges and others.

Screenshots of FDP

The screenshot shows a Google Meet interface. At the top, the browser address bar displays the URL: <https://meet.google.com/ycb-iguf-kty?pli=1&authuser=2>. The Meet header shows 'sangeeta trott is presenting' and a participant list including 'Deepak Asarpota and 16 more'. The main video area shows a woman (Sangeeta Trott) in a red and blue sari, with a presentation slide in the background. The slide text includes: 'ATHARVA INSTITUTE OF MANAGEMENT STUDIES', 'Approved by AICTE, Maharashtra & Affiliated to University of Mumbai', 'INVITES SANGEETA TROTT, PROFESSOR, ITM, NAVI MUMBAI FOR DEVELOPMENT PROGRAMME AS A GUEST SPEAKER', 'WORKSHOP on Session 1', 'Date: 08', 'Time:', and 'Powered by IQAC'. The bottom of the screen shows the Windows taskbar with various application icons and a system clock indicating 9:33 PM on 07/05/2021. A 'screenrec' watermark is visible in the bottom center.

Five Days Faculty Development Programme by IQAC, AIMS

Meet - ycb-iguf-kty

https://meet.google.com/ycb-iguf-kty?pli=1&authuser=2

Most Visited Getting Started Call for Papers | Intern... Contact Us

Other Bookmarks

sangeeta trott is presenting

Devika Talreja and 2 more

16

21:09

SPSS Data Editor

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Your computer might slow down while running video effects

SPSS Processor is ready

DR. SANGEETA TROTT, PROFESSOR, IQAC, AIMS

DR. SANGEETA TROTT, PROFESSOR, IQAC, AIMS

sangeeta trott

Abhay Desai

Poonam Patel

Priyanka Kumari

Sandeep Rasal

Vaibhav. Patil

Sharon Dsouza

Dr. Tarveen Kaur

hiral makwana has joined

Reena Poojara

shilvaangi nemo...

hiral makwana

Meeting details ^

Activate Windows
Go to Settings to activate Windows.

sangeeta trott is presenting

9:09 PM
07/05/2021

screen rec

Meet - ycb-iguf-kty

https://meet.google.com/ycb-iguf-kty?pli=1&authuser=2

sangeeta trott is presenting

Devika Talreja and 2 more

16

21:09

Other Bookmarks

SPSS Data Editor

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Your computer might slow down while running video effects

SPSS Processor is ready

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hiral makwana has joined

Activate Windows
Go to Settings to activate Windows.

Meeting details ^

screenrec

9:09 PM
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Other Bookmarks

sangeeta trott is presenting

Deepak Asarpota and 3 more

21:14

17

AIHARU INSTITUTE OF MANAGEMENT STUDIES

Workshop on SPSS

SPSS Processor is ready

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Meeting details ^

Activate Window

Go to Settings to manage windows.

sangeeta trott is presenting

9:14 PM 07/05/2021

screen rec

Meet - ycb-iguf-kty

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sangeeta trott is presenting

shilvaangi hemd... and 3 more

21:14

Abhay Desai

SPSS Data Editor

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Meeting details ^

Activate Window

Go to Settings to adjust Windows.

sangeeta trott is presenting

screen rec

9:15 PM 07/05/2021

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[illegible]

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sangeeta trott is presenting

G Ganesh Apte and 3 more

21:23

Other Bookmarks

SPSS Data Editor

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Meas
1	QNO1	Numeric	8	2		None	None	8	Right	Scale
2	VAR00001	Numeric	8	2		None	None	8	Right	Scale
3	VAR00002	Numeric	8	2		None	None	8	Right	Scale
4	VAR00003	Numeric	8	2		None	None	8	Right	Scale
5	VAR00004	Numeric	8	2		None	None	8	Right	Scale
6	VAR00005	Numeric	8	2		None	None	8	Right	Scale
7	VAR00006	Numeric	8	1		None	None	8	Right	Scale

Variable Type

☒ Numeric

☐ Ordinal

☐ Scale

☐ Date

☐ Time

☐ Currency

☐ String

Width: 8

Decimal Places: 2

OK Cancel Help

Meeting details

Activate Windows

Go to Settings to activate Windows.

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Meet - ycb-iguf-kty

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sangeeta trott is presenting

garima bansal and 3 more

17

21:25

Other Bookmarks

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*Untitled2 [DataSet2] - SPSS Data Editor

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align
1	QNO1	Numeric	8	2	Cloud computing is very imp	None	None	8	Right
2	VAR00001	Numeric	8	2		None	None	8	Right
3	VAR00002	Numeric	8	2		None	None	8	Right
4	VAR00003	Numeric	8	2		None	None	8	Right
5	VAR00004	Numeric	8	2		None	None	8	Right
6	VAR00005	Numeric	8	2		None	None	8	Right
7	VAR00006	Numeric	8	1		None	None	8	Right
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SPSS Processor is ready

Meeting details

Activate Window

Go to Settings to adjust Windows.

sangeeta trott is presenting

9:25 PM 07/05/2021

screenrec

Participants: sangeeta trott, Abhay Desai, Poonam Patel, Priyanka Kumari, Sandeep Rasal, Vaibhav. Patil, Sharon Dsouza, Dr. Tarveen Kaur, Reena Poojara, Bincy Baby, hiral

Meet - ycb-iguf-kty

https://meet.google.com/ycb-iguf-kty?pli=1&authuser=2

sangeeta tritt is presenting

Devika Talreja and 3 more

21:26

SPSS Data Editor

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align
1	QNO1	Numeric	8	2	Cloud computing is very imp	None	None	8	Right
2	VAR00001	Numeric	8	2		None	None	8	Right
3	VAR00002	Numeric	8	2		None	None	8	Right
4	VAR00003	Numeric	8			None	None	8	Right
5	VAR00004	Numeric	8			None	None	8	Right
6	VAR00005	Numeric	8			None	None	8	Right
7	VAR00006	Numeric	8			None	None	8	Right
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Value Labels

Value:

Label:

OK Cancel Help

Meeting details

Activate Windows

Go to Settings to activate Windows.

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Meet - ycb-iguf-kty

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sangeeta trott is presenting

garima bansal and 3 more

21:26

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SPSS Data Editor

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align
1	QNO1	Numeric	8	2	Cloud computing is very imp	None	None	8	= Right
2	VAR00001	Numeric	8	2		None	None	8	= Right
3	VAR00002	Numeric	8	2		None	None	8	= Right
4	VAR00003	Numeric	8			None	None	8	= Right
5	VAR00004	Numeric	8			None	None	8	= Right
6	VAR00005	Numeric	8			None	None	8	= Right
7	VAR00006	Numeric	8			None	None	8	= Right
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Value Labels

Value: Label:

1.00 = "strongly disagree"
2.00 = "disagree"
3.00 = "neutral"
4.00 = "agree"
5.00 = "strongly agree"

Meeting details

Activate Windows
Go to Settings to activate Windows.

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21:26

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SPSS Data Editor

Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align
1 QNO1	Numeric	8	2	Cloud computing is very imp	None	None	8	Right
2 VAR00001	Numeric	8	2		None	None	8	Right
3 VAR00002	Numeric	8	2		None	None	8	Right
4 VAR00003	Numeric	8	2		None	None	8	Right
5 VAR00004	Numeric	8	2		None	None	8	Right
6 VAR00005	Numeric	8	2		None	None	8	Right
7 VAR00006	Numeric	8	2		None	None	8	Right

Value Labels

Value:

Label:

1.00 = "strongly disagree"

2.00 = "disagree"

3.00 = "neutral"

4.00 = "agree"

5.00 = "strongly agree"

OK Cancel Help

Meeting details

Activate Windows

Go to Settings to activate Windows.

sangeeta trott is presenting

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sangeeta trot is presenting

Vaibhav. Patil and 12 more

21:29

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	A
1	QNO1	Numeric	8	2	Cloud computing is very imp	{1.00, stron...	None	8	= Right
2	QNO2	Numeric	8	2	artificial intelligence is agrowing field	None	None	8	= Right
3	VAR00002	Numeric	8	2		None	None	8	= Right
4	VAR00003	Numeric	8	2		None	None	8	= Right
5	VAR00004	Numeric	8			None	None	8	= Right
6	VAR00005	Numeric	8			None	None	8	= Right
7	VAR00006	Numeric	8			None	None	8	= Right
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Value Labels

Value Labels

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Label:

1.00 = "strongly disagree"

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Meeting details

screenrec

9:29 PM 07/05/2021

Activate Windows

Go to Settings to activate Windows.

sangeeta trot is presenting

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sangeeta trott is presenting

garima bansal and 13 more

21:32

SPSS Data Editor

	QNO1	QNO2	VAR00002	VAR00003	VAR00004	VAR00005	VAR00006	var	var	var	var	var	var
1	1.00	3.00	4.00	3.00	5
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Meeting details ^

Activate Windows
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9:32 PM
07/05/2021

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Meet - ycb-iguf-kty

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sangeeta trott is presenting

Poonam Patel and 13 more

18

21:33

Mute

Sandeep Rasal
All clear upto this point

Meeting details

Activate Window

Go to Settings to manage Windows.

sangeeta trott is presenting

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9:34 PM
07/05/2021

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Other Bookmarks

sangeeta trott is presenting

garima bansal and 13 more

21:35

SPSS Data Editor

File Edit View Data Transform Analyze Graphs Utilities Add-ons Window Help

8: VAR00004

QNO1

1 1.00

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2 VAR00003 VAR00004 VAR00005 VAR00006 var var var var var var

10 3.00 5.00 6.00 7.00

Variable 7 of 7 Variables

SPSS Processor is ready

Meeting details ^

Activate Windows Go to Settings to activate Windows.

sangeeta trott is presenting

9:35 PM 07/05/2021

screenrec

Five Days Faculty Development Programme by IQAC, AIMS

The screenshot captures a Google Meet interface during a presentation. At the top, the browser address bar shows the Google Meet URL. The meeting title bar indicates that 'sangeeta trot' is presenting. Below this, the SPSS Data Editor window is displayed, showing a dataset with variables VAR00003 through VAR00006. The 'Analyze' menu is open, highlighting the 'Regression' option. To the right of the SPSS window, a vertical strip shows video thumbnails of participants, including 'sangeeta trot' and 'Poonam Patel'. At the bottom of the screen, the Windows taskbar is visible, featuring icons for various applications and the system clock showing 9:35 PM on 07/05/2021.

Meet - ycb-iguf-kty

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Other Bookmarks

sangeeta trott is presenting

Priyanka Kumari and 13 more

21:36

SPSS Data Editor

File Edit View Data Transform Analyze Graphs Utilities Add-ons Window Help

Reports

Descriptive Statistics

Tables

Compare Means

General Linear Model

Generalized Linear Models

Mixed Models

Correlate

Regression

Loglinear

Neural Networks

Classify

Data Reduction

Scale

Nonparametric Tests

Time Series

Survival

Missing Value Analysis...

Multiple Response

Complex Samples

Quality Control

ROC Curve...

Chi-Square...

Homid...

Runs

1-Sample K-S...

2 Independent Samples...

2 Related Samples...

K Related Samples...

QNO1

1.00

VAR00003 VAR00004 VAR00005 VAR00006 var var var var var var

0 3.00 5.00 6.00 7.0

SPSS Processor is ready

Meeting details

Activate Window

Go to Settings to activate Windows.

sangeeta trott is presenting

9:36 PM 07/05/2021

screenrec

Five Days Faculty Development Programme by IQAC, AIMS

Meet - ycb-iguf-kty

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📁 Other Bookmarks

s

sangeeta trott is presenting

Vaibhav. Patil

and 15 more

👤18

💬

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21:37

You

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⌵

You can't unmute someone else

📌

🔇

Poonam Patel

Meeting details ^

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Activate Window

Go to Settings to activate Windows.

sangeeta trott is presenting

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screenrec

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9:37 PM

07/05/2021

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Meet - ycb-iguf-kty

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Other Bookmarks

sangeeta trott is presenting

hiral makwana and 13 more

21:43

Case 1[1].1 Dell SPSS Data Recorded.sav [DataSet1] - SPSS Data Editor

	q1	q2_1	q2_2	q2_3	q2_4	q2_5	q2_6	q2_7	q3	q4	q5
77	5.00	1.00	2.00	1.000	1.00	1.00	2.00	1.00	1.00	1.00	1.00
78	3.00	2.00	2.00	1.000	1.00	1.00	2.00	1.00	2.00	1.00	2.00
79	2.00	1.00	1.00	1.000	1.00	1.00	1.00	2.00	1.00	1.00	1.00
80	2.00	2.00	1.00	1.000	1.00	1.00	2.00	1.00	2.00	2.00	2.00
81	2.00	2.00	2.00	1.000	1.00	1.00	1.00	1.00	1.00	2.00	3.00
82	6.00	2.00	2.00	2.000	2.00	2.00	1.00	2.00	2.00	3.00	3.00
83	3.00	1.00	1.00	1.000	1.00	1.00	1.00	1.00	1.00	2.00	2.00
84	3.00	1.00	2.00	2.000	1.00	2.00	2.00	2.00	1.00	1.00	1.00
85	3.00	1.00	1.00	1.000	1.00	1.00	2.00	1.00	2.00	1.00	1.00
86	2.00	1.00	1.00	1.000	1.00	1.00	1.00	1.00	2.00	1.00	2.00
87	3.00	2.00	1.00	2.000	1.00	1.00	1.00	1.00	2.00	1.00	1.00
88	3.00	1.00	1.00	2.000	1.00	1.00	1.00	1.00	1.00	1.00	1.00
89	3.00	2.00	2.00	2.000	1.00	1.00	1.00	1.00	1.00	1.00	1.00
90	5.00	1.00	1.00	2.000	1.00	1.00	2.00	1.00	2.00	1.00	1.00
91	2.00	2.00	2.00	1.000	1.00	2.00	1.00	2.00	1.00	1.00	1.00
92	2.00	2.00	2.00	2.000	1.00	1.00	1.00	1.00	2.00	2.00	2.00
93	2.00	2.00	1.00	2.000	1.00	2.00	1.00	2.00	1.00	1.00	1.00

Meeting details

Turn off camera (CTRL + E)

SPSS Processor is ready

Activate Window

Go to Settings to manage Windows.

sangeeta trott is presenting

9:43 PM 07/05/2021

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Meet - ycb-iguf-kty

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sangeeta trott is presenting

Devika Talreja and 13 more

21:45

Other Bookmarks

Case 1111.1 Dell SPSS Data Recorded.sav [DataSet1] - SPSS Data Editor

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Meas
43	q13	Numeric	8	2	Which of the fo...	{0.00, No A...	0.00	8	≡ Right	• Nomina
44	q14	Numeric	8	2	Gender	{1.00, Male}...	None	8	≡ Right	• Nomina
45	Recoded_Sat	Numeric	8	2	Recoded satisf...	{1.00, Very ...	None	13	≡ Right	• Scale
46	Recoded_r...	Numeric	8	2	Recoded Woul...	{1.00, Defin...	None	19	≡ Right	• Scale
47	Recoded_C...	Numeric	8	2	Recoded Likeli...	{1.00, Defin...	None	16	≡ Right	• Scale
48	Recoded_Q...	Numeric	8	2	Recoded Q9_5	{1.00, Woul...	None	14	≡ Right	• Scale
49	Recoded_Q...	Numeric	8	2	Recoded Q9_10	{1.00, Woul...	None	15	≡ Right	• Scale
50	Recoded_E...	Numeric	8	2	Recoded Educ...	{1.00, High ...	None	19	≡ Right	• Scale
51	Recoded_age	Numeric	8	2	Recoded Age	{1.00, 18 to...	None	13	≡ Right	• Scale
52	Recoded_In...	Numeric	8	2	Recoded Income	{1.00, Unde...	0.00	16	≡ Right	• Scale
53	Recoded_H...	Numeric	8	2	Recoded Hours...	{1.00, Light ...	None	18	≡ Right	• Scale
54	Recoded_H...	Numeric	8	2	Recoded Hours...	{1.00, Light ...	None	18	≡ Right	• Scale
55	Recopded_...	Numeric	8	2	Recoded Q2_1	None	None	15	≡ Right	• Scale
56	Recoded_q...	Numeric	8	2	Recoded q2_2	None	None	14	≡ Right	• Scale
57	Recoded_q...	Numeric	8	2	Recoded q2_3	None	None	14	≡ Right	• Scale
58	Recoded_q...	Numeric	8	2	Recoded q2_4	None	None	14	≡ Right	• Scale
59	Recoded_q...	Numeric	8	2	Recoded q2_5	None	None	14	≡ Right	• Scale
60	Recoded_a...	Numeric	8	2	Recoded a2_6	None	None	14	≡ Right	• Scale

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garima bansal and 13 more

21:46

Other Bookmarks

Case 1(1).1 Dell SPSS Data Recorded.sav [DataSet1] - SPSS Data Editor

	Name	Label	Values	Missing	Columns	Align	Meas
1	q1						
2	q2_1	Approximately ...	{1.00, Less ...	None	8	≡ Right	Nomina
3	q2_2	Please indicate...	{0.00, Don't...	0.00	8	≡ Right	Nomina
4	q2_3	Please indicate...	{0.00, Don't...	0.00	8	≡ Right	Nomina
5	q2_4	Please indicate...	{0.00, Don't...	0.00	8	≡ Right	Nomina
6	q2_5	Please indicate...	{0.00, Don't...	0.00	8	≡ Right	Nomina
7	q2_6	Please indicate...	{0.00, Don't...	0.00	8	≡ Right	Nomina
8	q2_7	Please indicate...	{0.00, Don't...	0.00	8	≡ Right	Nomina
9	q3	any o...	{1.00, Yes}	None	8	≡ Right	Nomina
10	q4	ow sa...	{1.00, Very ...	None	8	≡ Right	Nomina
11	q5	How likely woul...	{1.00, Defin...	None	8	≡ Right	Nomina
12	q6	If you could ma...	{1.00, Defin...	None	8	≡ Right	Nomina
13	q8_1	And how much ...	{0.00, Do N...	0.00	8	≡ Right	Nomina
14	q8_2	And how much ...	{0.00, Do ...	0.000	8	≡ Right	Nomina
15	q8_3	And how much ...	{0.00, Do N...	0.00	8	≡ Right	Nomina
16	q8_4	And how much ...	{0.00, Do N...	0.00	8	≡ Right	Nomina
17	q8_5	And how much ...	{0.00, Do N...	0.00	8	≡ Right	Nomina
18	q8_6	And how much ...	{0.00, Do N...	0.00	8	≡ Right	Nomina

Meeting details

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IN CALL

- Shubhi Lal (You)
- Abhay Desai
- Bincy Baby
- Deepak Asarpota
- Devika Talreja
- Dr. Tarveen Kaur

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SPSS Data Editor

Case 1(1):1 Dell SPSS Data Recorder.sav (DataSet1) - SPSS Data Editor

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Me
1	q1	Numeric	8	2	Approximately ...	{1.00, Less ...	None	8	= Right	Nomi
2	q2_1	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	= Right	Nomi
3	q2_2	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	= Right	Nomi
4	q2_3	Numeric	8					8	= Right	Nomi
5	q2_4	Numeric	8					8	= Right	Nomi
6	q2_5	Numeric	8					8	= Right	Nomi
7	q2_6	Numeric	8					8	= Right	Nomi
8	q2_7	Numeric	8					8	= Right	Nomi
9	q3	Numeric	8					8	= Right	Nomi
10	q4	Numeric	8					8	= Right	Nomi
11	q5	Numeric	8					8	= Right	Nomi
12	q6	Numeric	8					8	= Right	Nomi
13	q8_1	Numeric	8					8	= Right	Nomi
14	q8_2	Numeric	8	3	And how much ...	{0.000, Do ...	0.000	8	= Right	Nomi
15	q8_3	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	= Right	Nomi
16	q8_4	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	= Right	Nomi
17	q8_5	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	= Right	Nomi
18	q8_6	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	= Right	Nomi

Reliability Analysis

Approximately how many ...
Please indicate which of these ...
Are there any other types of ...
Overall, how satisfied are y ...
How likely would you be to r ...
If you could make your comp ...
And how much do you agre ...
And how much do you agre ...

Model: Alpha

Scale label:

OK Paste Reset Cancel Help

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IN CALL

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- Abhay Desai
- Bincy Baby
- Deepak Asarpota
- Devika Talreja
- Dr. Tarveen Kaur

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Case 1(1).1 Dell SPSS Data Recorded.sav (DataSet1) - SPSS Data Editor

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Me
1	q1	Numeric	8	2	Approximately ...	{1.00, Less ...	None	8	= Right	Nomi
2	q2_1	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	= Right	Nomi
3	q2_2	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	= Right	Nomi
4	q2_3	Numeric	8					8	= Right	Nomi
5	q2_4	Numeric	8					8	= Right	Nomi
6	q2_5	Numeric	8					8	= Right	Nomi
7	q2_6	Numeric	8					8	= Right	Nomi
8	q2_7	Numeric	8					8	= Right	Nomi
9	q3	Numeric	8					8	= Right	Nomi
10	q4	Numeric	8					8	= Right	Nomi
11	q5	Numeric	8					8	= Right	Nomi
12	q6	Numeric	8					8	= Right	Nomi
13	q8_1	Numeric	8					8	= Right	Nomi
14	q8_2	Numeric	8	3	And how much ...	{0.000, Do ...	0.000	8	= Right	Nomi
15	q8_3	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	= Right	Nomi
16	q8_4	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	= Right	Nomi
17	q8_5	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	= Right	Nomi
18	q8_6	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	= Right	Nomi

Reliability Analysis

Approximately how many ...
Please indicate which of these ...
Are there any other types of ...
Overall, how satisfied are y ...
How likely would you be to r ...
If you could make your comp ...
And how much do you agree ...
And how much do you agree ...

Model: Alpha

Scale label:

OK Paste Reset Cancel Help

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G Ganesh Apte

garima bansal

hiral makwana

P Poonam Patel

Priyanka Kumari

R Reena Poojara

S Sandeep Rasal

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SPSS Data Editor

Case 1 [1].1.Dell SPSS Data Recorded.sav [DataEditor] - SPSS Data Editor

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Meas
1	q1	Numeric	8	2	Approximately ...	{1.00, Less ...	None	8	Right	Nomina
2	q2_1	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	Right	Nomina
3	q2_2	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	Right	Nomina
4	q2_3	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	Right	Nomina
5	q2_4	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	Right	Nomina
6	q2_5	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	Right	Nomina
7	q2_6	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	Right	Nomina
8	q2_7	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	Right	Nomina
9	q3	Numeric	8	2	And how much do you agree...	{0.00, Do N...	0.00	8	Right	Nomina
10	q4	Numeric	8	2	And how much do you agree...	{0.00, Do N...	0.00	8	Right	Nomina
11	q5	Numeric	8	2	And how much do you agree...	{0.00, Do N...	0.00	8	Right	Nomina
12	q6	Numeric	8	2	And how much do you agree...	{0.00, Do N...	0.00	8	Right	Nomina
13	q8_1	Numeric	8	2	And how much do you agree...	{0.00, Do N...	0.00	8	Right	Nomina
14	q8_2	Numeric	8	3	And how much do you agree...	{0.000, Do ...	0.000	8	Right	Nomina
15	q8_3	Numeric	8	2	And how much do you agree...	{0.00, Do N...	0.00	8	Right	Nomina
16	q8_4	Numeric	8	2	And how much do you agree...	{0.00, Do N...	0.00	8	Right	Nomina
17	q8_5	Numeric	8	2	And how much do you agree...	{0.00, Do N...	0.00	8	Right	Nomina
18	q8_6	Numeric	8	2	And how much do you agree...	{0.00, Do N...	0.00	8	Right	Nomina

Reliability Analysis

Approximately how many let...
Are there any other types of...
Overall, how satisfied are y...
How likely would you be to r...
If you could make your comp...
And how much do you agree...
And how much do you agree...
And how much do you agree...

Model: Alpha

Scale label:

OK Paste Reset Cancel Help

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You

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Poonam Patel

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- Priyanka kumari
- Reena Poojara
- Sandeep Rasal
- sangeeta trott
- sangeeta trott Presentation
- Sharon Dsouza
- shiivaangi hemdev
- Vaibhav. Patil

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WORKSHOP on

SPSS

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Meas
1	q1	Numeric	8	2	Approximately ...	{1.00, Less ...	None	8	Right	Nomina
2	q2_1	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	Right	Nomina
3	q2_2	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	Right	Nomina
4	q2_3	Numeric	8	3	Please indicate...	{0.000, Don...	0.000	8	Right	Nomina
5	q2_4	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	Right	Nomina
6	q2_5	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	Right	Nomina
7	q2_6	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	Right	Nomina
8	q2_7	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	Right	Nomina
9	q3	Numeric	8	2	Are there any o...	{1.00, Yes}...	None	8	Right	Nomina
10	q4	Numeric	8	2	Overall, how sa...	{1.00, Very ...	None	8	Right	Nomina
11	q5	Numeric	8	2	How likely woul...	{1.00, Defin...	None	8	Right	Nomina
12	q6	Numeric	8	2	If you could ma...	{1.00, Defin...	None	8	Right	Nomina
13	q8_1	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina
14	q8_2	Numeric	8	3	And how much ...	{0.000, Do ...	0.000	8	Right	Nomina
15	q8_3	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina
16	q8_4	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina
17	q8_5	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina
18	q8_6	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina

Meeting details ^

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21:48

YOU

SPSS Viewer

RELIABILITY
/VARIABLES=q3_1 q3_2 q3_3 q3_4 q3_5 q3_6 q3_7
/SCALE('ALL VARIABLES') ALL
/MODEL=ALPHA.

Reliability

[DataSet1] C:\Users\user\Downloads\SPSS DATA\SPSS DATA\Case 1[1].1 Bell SPSS Data Recoded.sav

Scale: ALL

Case Processing Summary

	N	%
Cases	371	96.7
Excluded ^a	1	.3
Total	372	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.800	7

S

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P

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Windows Taskbar

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(17)

.8 and above - very good reliability
.9 and above - very high
.6 is acceptable
.5 is moderate

sangeeta trott 21:52
below .5 is considered to be low
collect the data again

sangeeta trott 21:53
or modify the questionnaire

sangeeta trott 21:54
pilot testing

Send a message to everyone

Activate Window
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SPSS Viewer

RELIABILITY

```

/VARIABLES=q2_1 q2_2 q2_3 q2_4 q2_5 q2_6 q2_7
/SCALE('ALL VARIABLES') ALL
/MODEL=ALPHA.

```

Reliability

[DataSet1] C:\Users\user\Downloads\SPSS DATA\SPSS DATA\Case 1[1].1 Dell SPSS Data Recoded.sav

Scale: ALL

Case Processing Summary

	N	%
Cases	271	99.7
Excluded ^a	1	.3
Total	272	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.600	7

SPSS: Proceed to Reliability

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WORKSHOP Session 1

You

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SAR, AICTE

WORKSHOP on SPSS
Day 1
Topic: 10.00

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Poonam Patel

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Meeting details ^

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9:58 PM
07/05/2021

screenrec

SPSS Viewer

File Edit View Data Transform Insert Format Analyze Graphs Utilities Add-ons Window Help

RELIABILITY

```
/VARIABLES=q2_1 q2_2 q2_3 q2_4 q2_5 q2_6 q2_7  
/SCALE('ALL VARIABLES') ALL  
/MODEL=ALPHA.
```

Reliability

[DataSet1] C:\Users\user\Downloads\SPSS DATA\SPSS DATA\Case 1[1].1 Bell SPSS Data Recoded.sav

Scale: ALL

Case Processing Summary

Cases	Valid	N	%
	371		99.7
	Excluded ^a	1	.3
Total	372		100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.800	7

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22:03

You

Poonam Patel

sangeeta trott

Case 1(1):1 Dell SPSS Data Recorded.sav (DataSet1) - SPSS Data Editor

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Meas
13	q8_1	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina
14	q8_2	Numeric	8	3	And how much ...	{0.000, Do ...	0.000	8	Right	Nomina
15	q8_3	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina
16	q8_4	Numeric	8					8	Right	Nomina
17	q8_5	Numeric	8					8	Right	Nomina
18	q8_6	Numeric	8					8	Right	Nomina
19	q8_7	Numeric	8					8	Right	Nomina
20	q8_8	Numeric	8					8	Right	Nomina
21	q8_9	Numeric	8					8	Right	Nomina
22	q8_10	Numeric	8					8	Right	Nomina
23	q8_11	Numeric	8					8	Right	Nomina
24	q8_12	Numeric	8					8	Right	Nomina
25	q8_13	Numeric	8					8	Right	Nomina
26	q9_5per	Numeric	8	2	If the price of t...	{1.00, Defin...	None	8	Right	Nomina
27	q9_10per	Numeric	8	2	If the price of t...	{1.00, Defin...	None	8	Right	Nomina
28	q10_1	Numeric	8	2	What number fr...	{0.00, Do N...	0.00	8	Right	Nomina
29	q10_2	Numeric	8	2	What number fr...	{0.00, Do N...	0.00	8	Right	Nomina
30	q10_3	Numeric	8	2	What number fr...	{0.00, Do N...	0.00	8	Right	Nomina

Reliability Analysis

Model: Alpha

Scale label:

ON Radio Reset Cancel Help

SPSS Processor is ready

Meeting details ^

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RELIABILITY

```
/VARIABLES=q0_1 q0_2 q0_3 q0_4 q0_5 q0_6 q0_7 q0_8 q0_9 q0_10 q0_11 q0_12 q0_13
/SCALE('ALL VARIABLES') ALL
/MODEL=ALPHA.
```

Reliability

[DataSet1] C:\Users\user\Downloads\SPSS DATA\SPSS DATA\Case 1(1).1 Bell SPSS Data Recorded.sav

Scale: ALL

Case Processing Summary

	N	%
Cases		
Valid	328	98.4
Excluded ^a	43	11.6
Total	372	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.938	13

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22:09

You

SPSS Viewer

Descriptives

[DataSet1] C:\Users\user\Downloads\SPSS DATA\SPSS DATA\Case 1[1].1 Dell SPSS Data Recorded.sav

	N	Minimum	Maximum	Mean	Std. Deviation
Please indicate which of these you have ever done on the Internet: Newsgroup or Chatrooms	372	1.00	2.00	1.4247	.49457
Please indicate which of these you have ever done on the Internet: Looked for a job	372	1.00	2.00	1.5672	.49611
Please indicate which of these you have ever done on the Internet: Booked trips	372	1.000	2.000	1.35753	.479917
Please indicate which of these you have ever done on the Internet: Downloaded picture	372	1.00	2.00	1.1425	.35001
Please indicate which of these you have ever done on the Internet: Downloaded audio	372	1.00	2.00	1.2903	.45452
Please indicate which of these you have ever done on the Internet: Information about TV show or movie	371	1.00	2.00	1.3073	.48199
Please indicate which of these you have ever done on the Internet: Downloaded video	372	1.00	2.00	1.4355	.49649
Valid N (listwise)	371				

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hiral makwana and 12 more

22:14

You

ATHARVA INSTITUTE OF MANAGEMENT STUDIES

MAHES

SANGEETA TROTT PRESENTING: 17th MAY 2021

FOR FIVE DAYS FACULTY DEVELOPMENT PROGRAMME AS A GUEST SPEAKER

Presented by IQAC

WORK

You

S

sangeeta trot

Vaibhav. Patil

Case 1[1].1 Dell SPSS Data Recorder.sav [DataSet1] - SPSS Data Editor

File Edit View Data Transform Analyze Graphs Utilities Add-ons Window Help

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Meas
1	q1	Numeric	8	2	Approximately how ...	{1.00, Less ...	None	8	= Right	Nomina
2	q2_1	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	= Right	Nomina
3	q2_2	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	= Right	Nomina
4	q2_3	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	= Right	Nomina
5	q2_4	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	= Right	Nomina
6	q2_5	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	= Right	Nomina
7	q2_6	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	= Right	Nomina
8	q2_7	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	= Right	Nomina
9	q3	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	= Right	Nomina
10	q4	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	= Right	Nomina
11	q5	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	= Right	Nomina
12	q6	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	= Right	Nomina
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14	q8_2	Numeric	8	3	And how much ...	{0.000, Do ...	0.000	8	= Right	Nomina
15	q8_3	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	= Right	Nomina
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Frequencies

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Display frequency tables

OK Data Reset Cancel Help

Statistics

Charts...

Format...

Turn off camera (CTRL + E)

SPSS Processor is ready

Meeting details ^

Activate Window

Go to Settings to authorize Windows.

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10:14 PM

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Vaibhav. Patil

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Notes

Active Dataset

Scale: ALL VARIABLES

Title

Case Processing Summary

Reliability Statistics

Statistics

[DataSet1] C:\Users\user\Downloads\SPSS DATA\SPSS DATA\Case 1[1].1 Dell SPSS Data Recoded.sav

Statistics							
	Please indicate which of these you have ever done on the Internet: Newsgroup or Chatrooms	Please indicate which of these you have ever done on the Internet: Looked for a job	Please indicate which of these you have ever done on the Internet: Downloaded picture	Please indicate which of these you have ever done on the Internet: Downloaded audio	Please indicate which of these you have ever done on the Internet: Information about TV show or movie	Please indicate which of these you have ever done on the Internet: Downloaded video	
N	372	372	372	372	372	371	372
Valid						1	
Missing	0	0	0	0	0		0

Frequency

Please indicate which of these you have ever done on the Internet: Newsgroup or Chatrooms

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Communicated with others via newsgroups or chat rooms	214	57.5	57.5	57.5
Valid Did not communicate with others via newsgroups or chat rooms	158	42.5	42.5	100.0
Total	372	100.0	100.0	

Please indicate which of these you have ever done on the Internet: Looked for a job

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Active Dataset: ALL VARIABLES

Case Processing Summary

Reliability Statistics

Frequency

Please indicate which of these you have ever done on the Internet: Newsgroup or Chatrooms

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Communicated with others via newsgroups or chat rooms	214	57.5	57.5	57.5
Valid Did not communicate with others via newsgroups or chat rooms	158	42.5	42.5	100.0
Total	372	100.0	100.0	

Please indicate which of these you have ever done on the Internet: Looked for a job

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Looked for a job	161	43.3	43.3	43.3
Valid Did not look for a job	211	56.7	56.7	100.0
Total	372	100.0	100.0	

Please indicate which of these you have ever done on the Internet: Booked trips

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Planned or booked trips	239	64.2	64.2	64.2
Valid Did not plan or booked trips	133	35.8	35.8	100.0
Total	372	100.0	100.0	

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22:17

Output1 [Document1] - SPSS Viewer

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Notes
Active Dataset
Scale: ALL VARIABLES
Title
Case Processing Summary
Reliability Statistics

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Case Processing Summary
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N	372	372	372	372	372	371	372
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Frequency

Please indicate which of these you have ever done on the Internet: Newsgroup or Chatrooms

	Frequency	Percent	Valid Percent	Cumulative Percent	
Valid	Communicated with others via newsgroups or chat rooms	214	57.5	57.5	57.5
	Did not communicate with others via newsgroups or chat rooms	158	42.5	42.5	100.0
Total	372	100.0	100.0		

Please indicate which of these you have ever done on the Internet: Looked for a job

	Frequency	Percent	Valid Percent	Cumulative Percent	
Valid	Looked for a job	151	43.3	43.3	43.3
	Did not look for a job	211	56.7	56.7	100.0
Total	372	100.0	100.0		

Please indicate which of these you have ever done on the Internet: Booked trips

	Frequency	Percent	Valid Percent	Cumulative Percent	
Valid	Planned or booked trips	239	64.2	64.2	64.2
	Did not plan or booked trips	133	35.8	35.8	100.0
Total	372	100.0	100.0		

SPSS: Processor is ready

Meeting details

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22:18

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Notes

Active Dataset

Scale: ALL VARIABLES

Title

Case Processing Summary

Reliability Statistics

Validity

Did not download a picture or graphic

	Frequency	Percent	Valid Percent	Cumulative Percent
Total	372	100.0	100.0	100.0

Please indicate which of these you have ever done on the Internet: Downloaded audio

Valid	Frequency	Percent	Valid Percent	Cumulative Percent
Downloaded sounds or audio clips	264	71.0	71.0	71.0
Did not download sounds or audio clips	108	29.0	29.0	100.0
Total	372	100.0	100.0	

Please indicate which of these you have ever done on the Internet: Information about TV show or movie

Valid	Frequency	Percent	Valid Percent	Cumulative Percent
Looked up information about a TV show or movie	257	69.1	69.3	69.3
Did not look up information about a TV show or movie	114	30.6	30.7	100.0
Total	371	99.7	100.0	
Missing	1	.3		
Total	372	100.0		

Please indicate which of these you have ever done on the Internet: Downloaded video

Valid	Frequency	Percent	Valid Percent	Cumulative Percent
Downloaded a video clip	210	56.5	56.5	56.5
Did not download a video clip	162	43.5	43.5	100.0
Total	372	100.0	100.0	

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Vaibhav. Patil

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22:21

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Troutt Processes, TTM Ravi Moudali, Guest Programing, Guest Speaker

sangeeta trott

Poonam Patel

garima bansal

it was very good session

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Notes

Active Dataset

Scale: ALL VARIABLES

Title

Case Processing Summary

Reliability Statistics

Validity

Did not download a picture or graphic

Total

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	53	14.2	14.2	100.0
Total	372	100.0	100.0	

Please indicate which of these you have ever done on the Internet: Downloaded audio

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	284	71.0	71.0	71.0
Did not download sounds or audio clips	108	29.0	29.0	100.0
Total	372	100.0	100.0	

Please indicate which of these you have ever done on the Internet: Information about TV show or movie

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Valid	257	69.1	69.3	69.3
Did not look up information about a TV show or movie	114	30.6	30.7	100.0
Total	371	99.7	100.0	
Missing	1	.3		
Total	372	100.0		

Please indicate which of these you have ever done on the Internet: Downloaded video

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	210	56.5	56.5	56.5
Did not download a video clip	162	43.5	43.5	100.0
Total	372	100.0	100.0	

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You

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WORKSHOP on...
Session 1...
Topic: 10.00

Presented by: IQAC

sangeeta trott

Abhay Desai

shiivaangi hemdev

Maam highly engaging and fruitful session!!Excellent pace and patience! Thank you so much.

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Notes
Active Dataset
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Please indicate which of these you have ever done on the Internet: Downloaded audio				
	Frequency	Percent	Valid Percent	Cumulative Percent
Valid Did not download a picture or graphic	53	14.2	14.2	100.0
Total	372	100.0	100.0	

Please indicate which of these you have ever done on the Internet: Downloaded audio				
	Frequency	Percent	Valid Percent	Cumulative Percent
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Missing Don't know	1	.3		
Total	372	100.0		

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	Frequency	Percent	Valid Percent	Cumulative Percent
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Did not download a video clip	162	43.5	43.5	100.0
Total	372	100.0	100.0	

Five Days Faculty Development Programme by IQAC, AIMS

The screenshot shows a Google Meet window with a presentation slide. The slide is for a workshop on SPSS, Session 2 & 3, dated 22/05/2021, starting at 10.00 AM. It is powered by IQAC. The slide also mentions that Dr. Sangeeta Trott, Professor at ITM, Navi Mumbai, is invited as a guest speaker. The meeting interface shows 'sangeeta trott is presenting' and 'Abhay Desai and 11 more' are in the meeting. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 9:27 PM on 21/05/2021.

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Abhay Desai and 11 more

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21:27

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INVITES
DR. SANGEETA TROTT, PROFESSOR,
ITM, NAVI MUMBAI
FOR
FACULTY DEVELOPMENT PROGRAMME
AS A GUEST SPEAKER

WORKSHOP on SPSS
Session 2 & 3
Date: 22/05/2021
Time: 10.00 AM -

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Screenshots of FDP

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sangeeta trott is presenting

garima bansal and 7 more

21:22

Factor Ana...

Introduction

- **Factor analysis** is a general name denoting a class of procedures primarily used for data reduction and summarization.
- Factor analysis is an **interdependence technique** in that an entire set of interdependent relationships is examined without making the distinction between dependent and independent variables
- Factor analysis is used in the following circumstances:
 - To identify underlying dimensions, or **factors**, that explain the correlations among a set of variables

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Introduction

- Factor analysis is a general name denoting a class of procedures primarily used for data reduction and summarization.
- Factor analysis is an **interdependence technique** in that an entire set of interdependent relationships is examined without making the distinction between dependent and independent variables
- Factor analysis is used in the following circumstances:
 - To identify underlying dimensions, or **factors**, that explain the correlations among a set of variables

Meeting details

(13)

IN CALL

Shubhi Lall (You)	/	
Abhay Desai	/	
Bincy Baby	/	
Deepak Asarpota	/	
Dr. Tarveen Kaur	/	
Ganesh Apte	/	
garima bansal	/	
Neha Kukreja	/	

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Factor Analysis Model

- Factor Analysis Model
- $F_i = W_{i1}X_1 + W_{i2}X_2 + W_{i3}X_3 + \dots + W_{ik}X_k$

Where:

F_i = estimate of i th factor
 W_i = weight or factor score coefficient
 k = number of variables

Meeting details

(13)

G	Ganesh Apte		
	garima bansal		
N	Neha Kukreja		
P	Poonam Patel		
S	Sandeep Rasal		
S	sangeeta trott		
S	sangeeta trott Presentation		
	Vaibhav. Patil		

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21:24

Factor Analysis Model

- Factor Analysis Model
- $F_i = W_{i1}X_1 + W_{i2}X_2 + W_{i3}X_3 + \dots + W_{ik}X_k$

Where:

F_i	=	estimate of i th factor
W_i	=	weight or factor score coefficient
k	=	number of variables

Slide 3 of 12 English (India)

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Dr. Sangeeta Trott

Poonam Patel

Abhay Desai

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Neha Kukreja and 8 more

21:31

You

Factor Analysis

Statistics Associated with Factor Analysis

- **Community.** Community is the amount of variance a variable shares with all the other variables being considered. This is also the proportion of variance explained by the common factors.
- **Eigenvalue.** The eigenvalue represents the total variance explained by each factor.
- **Factor loadings.** Factor loadings are simple correlations between the variables and the factors

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Meeting controls: 13 participants, 21:32, Video, Chat, Screen Share, End Meeting

Participant: Sandeep Rasal and 8 more

Meeting title: Meeting

Slide 5 of 12

Technical terms

- **Kaiser-Meyer-Olkin (KMO) measure of sampling adequacy.** The Kaiser-Meyer-Olkin (KMO) measure of sampling adequacy is an index used to examine the appropriateness of factor analysis. High values (between 0.5 and 1.0) indicate factor analysis is appropriate. Values below 0.5 imply that factor analysis may not be appropriate
- **Bartlett's test of sphericity.** Bartlett's test of sphericity is a test statistic used to examine the hypothesis that the variables are uncorrelated in the population. In other words, the population correlation matrix is an identity matrix; each variable correlates perfectly with itself ($r = 1$) but has no correlation with the other variables ($r = 0$).

Meeting details ^

Meeting controls: Mute, End Call, Video On/Off

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Participant: sangeeta trott is presenting

Participant: Poonam Patel

Taskbar: Windows, Edge, File Explorer, Firefox, Word, Spotify, Chrome, OneDrive, screenrec

System tray: 9:32 PM, 21/05/2021, 2 notifications

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21:37

Factor Analysis

Technical terms

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21:45

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INVITES
DR. SANGEETA TROTT, PROFESSOR,
ITM, NAVI MUMBAI
FOR FACULTY DEVELOPMENT PROGRAMME
AS A GUEST SPEAKER

WORKSHOP on SPSS
Session 2 & 3
Date: 22/05/2021, Sat
Time: 10.00 AM - 1.00 PM

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Sandeep Rasal and 11 more

14

21:45

Unpin

Poonam Patel

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hiral makwana and 9 more

21:45

14

Factor Analysis

Eigen value

Initial Eigen values

Factor	Eigen value	% of variance	Cumulat. %
1	2.731	45.520	45.520
2	2.218	36.969	82.488
3	0.442	7.360	89.848
4	0.341	5.688	95.536
5	0.183	3.044	98.580
6	0.085	1.420	100.000

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21:48

14

Screen plot

Component Number	Eigenvalue
1	2.8
2	0.6
3	0.5
4	0.4
5	0.3
6	0.2

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Five Days Faculty Development Programme by IQAC, AIMS

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

Deepak Asarpota and 9 more

14

21:49

ATHARVA INSTITUTE OF MANAGEMENT STUDIES

WORKSHOP on SPSS

YOU

Poonam Patel

sangeeta trott

Conducting Factor Analysis

Rotate Factors

- varimax procedure
- oblique rotation

Meeting details

Activate Windows
Go to Settings to activate Windows.

screenrec

9:49 PM
21/05/2021

Meet - ycb-iguf-kty

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sangeeta trott is presenting

Neha Kukreja and 9 more

14

21:51

You

Factor Analysis

Conducting Factor Analysis
Rotate Factors

- varimax procedure
- oblique rotation

Meeting details

Activate Windows
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sangeeta trott is presenting

9:51 PM
21/05/2021

Five Days Faculty Development Programme by IQAC, AIMS

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

Neha Kukreja and 9 more

22:00

14

AutoSave 50% Factor Area...

File Home Insert Design Transitions Animations Slide Show Review View Help

Clipboard Slides

8

9

10

11

12

Slide 12 of 12 English (India)

Click to

Rotated Factor Matrix

Variables	Factor 1	Factor 2
V1	0.962	-0.027
V2	-0.057	0.848
V3	0.934	-0.146
V4	-0.098	0.845
V5	-0.933	-0.084
V6	0.083	0.885

Activate Windows
Go to Settings to activate Windows.

sangeeta trott is presenting

10:00 PM 21/05/2021

screenrec

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

Deepak Asarpota and 8 more

22:05

ATHARVA INSTITUTE OF MANAGEMENT STUDIES

WORKSHOP on SPSS

Version 2.0.0

Date: 22/05/2021

Time: 10:00 AM

Powered by IOAC

sangeeta trott

Poonam Patel

Activate Windows

Go to Settings to activate Windows.

sangeeta trott is presenting

screenrec

10:05 PM

21/05/2021

Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Meas
q1	Numeric	8	2	Approximately how...	{1.00, Less ... None		8	Right	Nomina
q2_1	Numeric	8	2	Please indicate...	{0.00, Don't... 0.00		8	Right	Nomina
q2_2	Numeric	8	2	Please indicate...	{0.00, Don't... 0.00		8	Right	Nomina
q2_3	Numeric	8	2	Please indicate...	{0.00, Don't... 0.00		8	Right	Nomina
q2_4	Numeric	9	2	Please indicate...	{0.00, Don't... 0.00		8	Right	Nomina
q2_5	Numeric	8	2	Please indicate...	{0.00, Don't... 0.00		8	Right	Nomina
q2_6	Numeric	8	2	Please indicate...	{0.00, Don't... 0.00		8	Right	Nomina
q2_7	Numeric	8	2	Please indicate...	{0.00, Don't... 0.00		8	Right	Nomina
q3	Numeric	8	2	Please indicate...	{0.00, Don't... 0.00		8	Right	Nomina
q4	Numeric	9	2	Are there any other...	{0.00, Don't... 0.00		8	Right	Nomina
q5	Numeric	8	2	Overall, how satis...	{0.00, Don't... 0.00		8	Right	Nomina
q6	Numeric	8	2	How likely would yo...	{0.00, Don't... 0.00		8	Right	Nomina
q8_1	Numeric	8	2	If you could make yo...	{0.00, Don't... 0.00		8	Right	Nomina
q8_2	Numeric	8	3	And how much ...	{0.000, Do ... 0.000		8	Right	Nomina
q8_3	Numeric	8	2	And how much ...	{0.00, Do N... 0.00		8	Right	Nomina
q8_4	Numeric	8	2	And how much ...	{0.00, Do N... 0.00		8	Right	Nomina
q8_5	Numeric	8	2	And how much ...	{0.00, Do N... 0.00		8	Right	Nomina
q8_6	Numeric	8	2	And how much ...	{0.00, Do N... 0.00		8	Right	Nomina

Five Days Faculty Development Programme by IQAC, AIMS

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

garima bansal and 8 more

22:06

Factor Analysis: Descriptives

Statistics

☐ Univariate descriptives

☒ Initial solution

Correlation Matrix

☐ Coefficients ☐ Inverse

☐ Significance levels ☐ Reproduced

☐ Determinant ☐ Anti-image

☐ BMD and Bartlett's test of sphericity

OK Continue Cancel Help

Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Meas
q1	Numeric	8	2	Approximately h...	{1.00, Less ...	None	8	Right	Nomina
q2_1	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	Right	Nomina
q2_2	Numeric	8	2	Please indicate...	{0.00, Don't...	0.00	8	Right	Nomina
q2_3	Numeric	8					8	Right	Nomina
q2_4	Numeric	9					8	Right	Nomina
q2_5	Numeric	8					8	Right	Nomina
q2_6	Numeric	8					8	Right	Nomina
q2_7	Numeric	8					8	Right	Nomina
q3	Numeric	8					8	Right	Nomina
q4	Numeric	9					8	Right	Nomina
q5	Numeric	8					8	Right	Nomina
q6	Numeric	8					8	Right	Nomina
q8_1	Numeric	8					8	Right	Nomina
q8_2	Numeric	8	3	And how much ...	{0.000, Do ...	0.000	8	Right	Nomina
q8_3	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina
q8_4	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina
q8_5	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina
q8_6	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina

Meeting details

Activate Windows

Go to Settings to activate Windows.

sangeeta trott is presenting

10:06 PM 21/05/2021

screen rec

Five Days Faculty Development Programme by IQAC, AIMS

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

Meeting details (13)

Meeting participants:

- garima bansal
- hiral makwana
- Neha Kukreja
- Poonam Patel
- Sandeep Rasal
- sangeeta trott
- sangeeta trott Presentation
- Vaibhav. Patil

Factor Analysis: Extraction

Method: Principal components

Analyze: ☒ Correlation matrix ☒ Unrotated factor solution ☐ Screen plot

Extract: ☒ Eigenvalues over 1 ☐ Number of factors

Maximum iterations for Convergence: 25

Continue Cancel Help

Meeting details

Activate Windows

Go to Settings to activate Windows.

10:06 PM 21/05/2021

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

B Bincy Baby and 8 more

22:07

SPSS Data Editor

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Meas
1	q1	Numeric	8	2	Approximately ...	{1.00, Less ...	None	8	Right	Nomina
2	q2_1	Numeric	8	2	Please indicate...	{0.00, Don't... 0.00		8	Right	Nomina
3	q2_2	Numeric	8	2	Please indicate...	{0.00, Don't... 0.00		8	Right	Nomina
4	q2_3	Numeric	8					8	Right	Nomina
5	q2_4	Numeric	9					8	Right	Nomina
6	q2_5	Numeric	8					8	Right	Nomina
7	q2_6	Numeric	8					8	Right	Nomina
8	q2_7	Numeric	8					8	Right	Nomina
9	q3	Numeric	8					8	Right	Nomina
10	q4	Numeric	9					8	Right	Nomina
11	q5	Numeric	8					8	Right	Nomina
12	q6	Numeric	8					8	Right	Nomina
13	q8_1	Numeric	8					8	Right	Nomina
14	q8_2	Numeric	8	3	And how much ...	{0.000, Do ... 0.000		8	Right	Nomina
15	q8_3	Numeric	8	2	And how much ...	{0.00, Do N... 0.00		8	Right	Nomina
16	q8_4	Numeric	8	2	And how much ...	{0.00, Do N... 0.00		8	Right	Nomina
17	q8_5	Numeric	8	2	And how much ...	{0.00, Do N... 0.00		8	Right	Nomina
18	q8_6	Numeric	8	2	And how much ...	{0.00, Do N... 0.00		8	Right	Nomina

Factor Analysis: Rotation

Method

☐ None ☐ Quartimax

☒ Varimax ☐ Equamax

☐ Direct Oblimin ☐ Promax

Display

☒ Rotated solution ☐ Loading plot(s)

Maximum iterations for convergence: 25

Continue Cancel Help

ATHARVA INSTITUTE OF MANAGEMENT STUDIES

WORKSHOP on SPSS

Session 2 & 3

Date: 22/05/2021, Saturday

Time: 10:00 AM - 1:00 PM

sangeeta trott

Poonam Patel

Meeting details

Activate Windows

Go to Settings to activate Windows.

sangeeta trott is presenting

screen rec

10:07 PM

21/05/2021

Five Days Faculty Development Programme by IQAC, AIMS

Meet - ycb-iguf-kyt

meet.google.com/ycb-iguf-kyt?pli=1&authuser=1

B Bincy Baby is presenting

10 and 5 more

23:07

ATHARVA INSTITUTE OF MANAGEMENT STUDIES

WORKSHOP on SPSS

session 2 & 3

date: 22/05/2021

time: 10:00 AM

Powered by IQAC

Output1 (Document1) - IBM SPSS Statistics Viewer

File Edit View Data Transform Insert Format Analyze Graphs Utilities Extensions Window Help

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy	.894
Bartlett's Test of Sphericity	Approx. Chi-Square = 2118.207
df	66
Sig.	.000

Communalities

	Initial	Extraction
Performance of investments with this provider	1.000	.470
Fees or commission charged	1.000	.708
Depth of programs/services to meet the range of your investment needs	1.000	.621
Ability to resolve problems	1.000	.591
Online services offered	1.000	.843
Multiple providers' products to choose from	1.000	.707
Quality of advice	1.000	.686
Knowledge of representatives or advisors you deal with	1.000	.718
Representative knowing your overall situation and needs	1.000	.748
Access to other professional resources	1.000	.587
Degree to which my provider knows me	1.000	.736
Quality of service	1.000	.621

Extraction Method: Principal Component Analysis

Meeting details

Turn off camera (CTRL + E)

Activate Windows

Go to Settings to activate Windows.

Bincy Baby is presenting

screenrec

11:07 PM 21/05/2021

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

Vaibhav. Patil and 8 more

22:08

SPSS Viewer

Factor Analysis

[DataSet1] C:\Users\user\Desktop\SPSS Data (Sangeeta FDP)\Case 1[1].1 Bell SPSS Data Recorded_1.sav

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy: .706

Bartlett's Test of Sphericity: Asymptotic Chi-Square = 369.090, df = 21, Sig. = .000

Communalities

	Initial	Extraction
Please indicate which of these you have ever done on the internet: Newsgroup or Chatrooms	1.000	.299
Please indicate which of these you have ever done on the internet: Looked for a job	1.000	.621
Please indicate which of these you have ever done on the internet: Bought things	1.000	.517
Please indicate which of these you have ever done on the internet: Downloaded pictures	1.000	.512
Please indicate which of these you have ever done on the internet: Downloaded audio	1.000	.722
Please indicate which of these you have ever done on the internet: Information about TV shows or movies	1.000	.177

Turn off microphone (CTRL + D)

SPSS Processor is ready

Meeting details

Activate Windows

Go to Settings to activate Windows.

10:08 PM 21/05/2021

screenrec

ATHARVA INSTITUTE OF MANAGEMENT STUDIES

WORKSHOP on SPSS

Session 2.6

Date: 22/05/2021

Time: 10:00 AM

Powered by IQAC

Poonam Patel

sangeeta trott

Five Days Faculty Development Programme by IQAC, AIMS

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

B Bincy Baby is presenting

Vaibhav. Patil and 5 more

23:08

Output1 [Document1] - IBM SPSS Statistics Viewer

File Edit View Data Transform Insert Format Analyze Graphs Utilities Extensions Window Help

Log

Factor Analysis

- Active Dataset
- KMO and Bartlett's Test
- Communities
- Total Variance Explained
- Scree Plot
- Component Matrix
- Rotated Component Matrix
- Component Transformation

Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	5.348	44.566	44.566	5.348	44.566	44.566	3.967	33.062	33.062
2	1.474	12.284	56.850	1.474	12.284	56.850	2.162	17.931	50.992
3	1.014	8.449	65.299	1.014	8.449	65.299	1.717	14.307	65.299
4	.777	6.475	71.774						
5	.631	5.262	77.036						
6	.564	4.699	81.735						
7	.513	4.277	86.011						
8	.431	3.593	89.604						
9	.356	2.964	92.569						
10	.346	2.885	95.453						
11	.313	2.607	98.059						
12	.233	1.941	100.000						

Extraction Method: Principal Component Analysis

Scree Plot

Eigenvalue

meeting.google.com is sharing your screen. Stop sharing Hide

IBM SPSS Statistics Processor is ready. Unicode ON

ATHARVA INSTITUTE OF MANAGEMENT STUDIES

WORKSHOP on SPSS

B Bincy Baby

Poonam Patel

Activate Windows

Go to Settings to activate Windows.

Bincy Baby is presenting

Meeting details

screen rec

11:08 PM 21/05/2021

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

13

22:12

You

ATHARVA INSTITUTE OF MANAGEMENT STUDIES

SPSS

Output [Document1] - SPSS Viewer

Please indicate which of these you have ever done in the internet:

Downloaded video

Extraction Method: Principal Component Analysis

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.297	32.816	32.816	2.297	32.816	32.816	2.223	31.755	31.755
2	1.091	15.693	48.398	1.091	15.693	48.398	1.165	16.642	48.398
3	.881	12.608	61.006						
4	.520	7.445	68.451						
5	.745	10.645	79.096						
6	.508	7.268	86.364						
7	.301	4.313	100.000						

Extraction Method: Principal Component Analysis

Scree Plot

envvalue

Activate Window

Go to Settings to see system Windows.

sangeeta trott is presenting

Meeting details

screen rec

10:12 PM 21/05/2021

Five Days Faculty Development Programme by IQAC, AIMS

The screenshot captures a Google Meet session where a presentation is being shared. The presentation window, titled "Output [Document1] - SPSS Viewer", displays the results of a Principal Component Analysis (PCA). The "Total Variance Explained" table shows that the first two components account for approximately 68% of the total variance. The "Scree Plot" shows a sharp drop in eigenvalues after the first two components, supporting the selection of two principal components.

Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	2.297	32.816	32.816	2.297	32.816	32.816	2.223	31.756	31.756
2	1.691	15.693	48.509	1.691	15.693	48.509	1.165	10.642	42.398
3	.981	9.108	57.617						
4	.629	5.838	63.455						
5	.745	6.845	70.300						
6	.608	5.608	75.908						
7	.301	2.781	78.689						

Scree Plot

The Scree Plot shows the eigenvalues of the components. The first two components have high eigenvalues (around 2.3 and 1.7), while the remaining components have much lower eigenvalues (below 1.0), indicating that the first two components capture most of the information in the data.

The meeting interface shows a grid of participants, including Bincy Baby, Abhay Desai, Sandeep Rasal, garima bansal, Deepak Asarpota, hiral makwana, Ganesh Apte, Vaibhav. Patil, and Neha Kukreja. The presenter, sangeeta trot, is visible in the top right corner. The bottom of the screen shows the Windows taskbar with various application icons and the system clock at 10:13 PM on 21/05/2021.

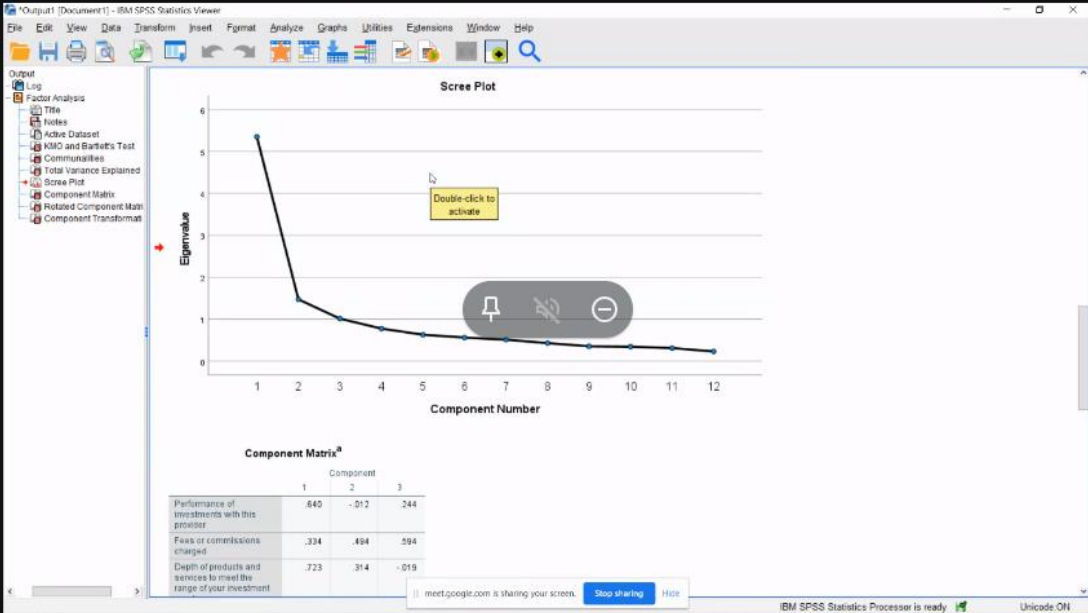
Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

B Bincy Baby is presenting

Vaibhav. Patil and 5 more

23:09



The screenshot shows an IBM SPSS Statistics Viewer window. The main plot is a Scree Plot with 'Eigenvalue' on the y-axis (0 to 6) and 'Component Number' on the x-axis (1 to 12). The curve starts at approximately (1, 5.5) and drops sharply to (2, 1.5), then continues to decline more gradually. A tooltip 'Double-click to activate' is visible over the plot. Below the plot is the 'Component Matrix' table.

	Component	1	2	3
Performance of investments with this provider		.640	-.012	.244
Fees or commissions charged		.334	.494	.594
Depth of products and services to meet the range of your investment		.723	.314	-.019

Meeting details

Activate Windows
Go to Settings to activate Windows.

Bincy Baby is presenting

11:09 PM
21/05/2021

screen rec

Five Days Faculty Development Programme by IQAC, AIMS

The screenshot shows a Google Meet interface. The main video feed displays Dr. Sangeeta Trott, with her name 'sangeeta trott' at the bottom left. A small inset window in the top right of the video feed shows a presentation slide from 'ATHARVA INSTITUTE OF MANAGEMENT STUDIES' titled 'WORKSHOP on SPSS', listing 'SANGEETA TROTT, PROFESSOR, ITH, NAUJI SHOMBA' as the speaker. The right sidebar contains 'Meeting details' for a meeting with 9 participants. The 'IN CALL' list includes: Shubhi Lall (You), Abhay Desai, Bincy Baby, garima bansal, garima bansal, and Poonam Patel. At the bottom, a Windows taskbar shows various application icons and the system clock at 11:18 PM on 21/05/2021. A 'screenrec' watermark is visible in the taskbar.

Meeting details

(9)

Add people

IN CALL

- Shubhi Lall (You)
- Abhay Desai
- Bincy Baby
- garima bansal
- garima bansal
- Poonam Patel

Meeting details ^

screenrec

11:18 PM 21/05/2021

Dr Sangeeta Trott giving live demonstration of SPSS to the faculty members connected on google link.

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

13

22:13

Output [Document1] - SPSS Viewer

Factor Analysis

2	1.091	16.593	48.386	1.091	15.983	48.388	1.165	16.642	48.386
3	.981	14.608	62.406						
4	.620	13.120	75.545						
5	.745	10.646	86.191						
6	.508	6.308	94.557						
7	.381	5.443	100.000						

Extraction Method: Principal Component Analysis.

Scree Plot

Meeting details

Activate Windows
Go to Settings to activate Windows.

10:13 PM
21/05/2021

screenrec

Participants:

- sangeeta trott
- Poonam Patel
- Bincy Baby
- Abhay Desai
- Sandeep Rasal
- garima bansal
- Deepak Asarpota
- hiral makwana
- Ganesh Apte
- Vaibhav. Patil
- Neha Kukreja

Five Days Faculty Development Programme by IQAC, AIMS

The screenshot shows a Google Meet interface with a presentation window overlaid. The presentation window displays the SPSS 'Component Matrix' and 'Rotated Component Matrix' for a Principal Component Analysis. The 'Component Matrix' table shows the following data:

	Component	
	1	2
Please indicate which of these you have ever done on the Internet: Newsgroup or Chatrooms	.455	.043
Please indicate which of these you have ever done on the Internet: Looked for a job	.272	.736
Please indicate which of these you have ever done on the Internet: Booked a trip	.309	.674
Please indicate which of these you have ever done on the Internet: Downloaded picture	.719	-.093
Please indicate which of these you have ever done on the Internet: Downloaded audio	.839	-.151
Please indicate which of these you have ever done on the Internet: Information about TV shows in India	.418	-.047
Please indicate which of these you have ever done on the Internet: Downloaded software	.759	-.234

Below the 'Component Matrix' table, it states: 'Extraction Method: Principal Component Analysis. a. 2 components extracted.'

The 'Rotated Component Matrix' table is partially visible below the main table.

The Google Meet interface shows a grid of participants: sangeeta trott (presenting), Poonam Patel, Bincy Baby, Abhay Desai, Sandeep Rasal, garima bansal, Deepak Asarpota, hiral makwana, Ganesh Apte, Vaibhav. Patil, and Neha Kukreja. The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 10:13 PM on 21/05/2021.

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

Meeting details

(12)

garima bansal 21:06
sangeeta mam you are not audible.

Sandeep Rasal 21:06
Audible

Sandeep Rasal 21:49
Clear

sangeeta trott 22:19
F1(downloads)=.847(audio)+.793(video)+.711(picture)

Send a message to everyone

Activate Windows
Go to Settings to activate Windows.

sangeeta trott is presenting

ATHARVA INSTITUTE OF MANAGEMENT STUDIES

WORKSHOP on SPSS

SPSS Processor is ready

H:11.8, W:342p

Component Analysis

Factor Analysis

Active Dataset

KMO and Bartlett's Test

Communalities

Total Variance Explained

Scree Plot

Component Matrix

Rotated Component Matrix

Component Transformation Matrix

	Component	
	1	2
Please indicate which of these you have ever done on the internet: Downloaded pictures	.430	.154
Please indicate which of these you have ever done on the internet: Looked for a job	.001	.764
Please indicate which of these you have ever done on the internet: Browse tips	.025	.715
Please indicate which of these you have ever done on the internet: Downloaded audio	.711	.606
Please indicate which of these you have ever done on the internet: Downloaded picture	.847	.661
Please indicate which of these you have ever done on the internet: Information about TV show or movie	.415	.658
Please indicate which of these you have ever done on the internet: Downloaded video	.793	-.636

Extraction Method: Principal Component Analysis.
Rotation Method: Varimax with Kaiser Normalization.
a. Rotation converged in 3 iterations.

Component Transformation Matrix		
Case	1	2
1	.359	.348
2	.248	.989

Extraction Method: Principal Component Analysis.
Rotation Method: Varimax with Kaiser Normalization.

Meeting details

screenrec

10:19 PM
21/05/2021

Five Days Faculty Development Programme by IQAC, AIMS

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott and 9 more

11

22:21

You

AIMS
ATHARVA INSTITUTE OF MANAGEMENT STUDIES
Approved by AICTE, DTE, Government of Maharashtra & Affiliated to University of Mumbai
NAAC Accredited

INVITES
DR SANGEETA TROTT, PROFESSOR,
ITM, NAVI MUMBAI
FOR
WORKSHOP on SPSS
Session 2 & 3
Date: 22/05/2021, Saturday
Time: 10.00 AM - 1.00 PM

Powered by
IQAC

Meeting details ^

Activate Windows
Go to Settings to activate Windows.
Present now

screenrec

10:21 PM
21/05/2021

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

sangeeta trott (Presenta... and 9 more)

12

22:21

sangeeta trott

Meeting details

Activate Windows
Go to Settings to activate Windows.

screenrec

10:21 PM
21/05/2021

Five Days Faculty Development Programme by IQAC, AIMS

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

Deepak Asarpota and 9 more

12

22:24

Poonam Patel

Meeting details

Activate Windows

Go to Settings to activate Windows.

sangeeta trott is presenting

screenrec

10:24 PM 21/05/2021

Dr Poonam Patel discussing her queries and clearing doubts.

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

garima bansal and 5 more

22:40

Factor Analysis

	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Meas
10	q4	Numeric	9	2	Overall, how sa...	{1.00, Very ...	None	8	Right	Nomina
11	q5	Numeric	8	2	How likely woul...	{1.00, Defin...	None	8	Right	Nomina
12	q6	Numeric	8	2	If you could ma...	{1.00, Defin...	None	8	Right	Nomina
13	q8_1	Numeric	8					8	Right	Nomina
14	q8_2	Numeric	8					8	Right	Nomina
15	q8_3	Numeric	8					8	Right	Nomina
16	q8_4	Numeric	8					8	Right	Nomina
17	q8_5	Numeric	8					8	Right	Nomina
18	q8_6	Numeric	8					8	Right	Nomina
19	q8_7	Numeric	8					8	Right	Nomina
20	q8_8	Numeric	8					8	Right	Nomina
21	q8_9	Numeric	8					8	Right	Nomina
22	q8_10	Numeric	8					8	Right	Nomina
23	q8_11	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina
24	q8_12	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina
25	q8_13	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina

Your computer might slow down while running video effects

Meeting details

Activate Windows
Go to Settings to activate Windows.

sangeeta trott is presenting

10:40 PM
21/05/2021

Five Days Faculty Development Programme by IQAC, AIMS

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

Vaibhav. Patil and 5 more

22:43

You

Output: [Document1] - SPSS Viewer

Factor Analysis

agree that Dell has computers that run programs quickly? 1.000 .493

And how much do you agree that Dell Computers has high-quality computers with no technical problems? 1.000 .340

And how much do you agree that Dell Computers has high-quality peripherals (e.g. monitor, keyboard, mouse, speakers, disk drives)? 1.000 .689

And how much do you agree that Dell Computers bundles its computers with appropriate software? 1.000 .570

And how much do you agree that Dell Computers bundles its computers with Internet access? 1.000 .649

And how much do you agree that Dell Computers allows users to easily assemble components? 1.000 .440

And how much do you agree that Dell Computers has computer systems that users can readily upgrade? 1.000 .607

And how much do you agree that Dell Computers offer easily accessible technical support? 1.000 .774

Extraction Method: Principal Component Analysis.

Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	4.959	38.456	38.456	4.959	38.453	38.453	2.885	26.349	26.349

SPSS Processor is ready

ATHARVA INSTITUTE OF MANAGEMENT STUDIES

SANGEETA TROTT PROFESSOR, ITHANADI MONASTERY

WORKSHOP on SPSS

Poonam Patel

sangeeta trott

Meeting details

Activate Windows

Go to Settings to activate Windows.

sangeeta trott is presenting

10:43 PM

21/05/2021

screen rec

Meet - ycb-iguf-kty

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sangeeta trott is presenting

Sandeep Rasal and 5 more

22:44

Scree Plot

Eigenvalue

Component Number

Component Matrix

Component	1	2	3

Meeting details

Activate Windows

Go to Settings to activate Windows.

sangeeta trott is presenting

10:44 PM 21/05/2021

Five Days Faculty Development Programme by IQAC, AIMS

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

Vaibhav. Patil and 5 more

10

22:45

You

SPSS Viewer

File Edit View Data Transform Insert Format Analyze Graphs Utilities Add-ons Window Help

Factor Analysis

Notes

Active Dataset

KMO and Bartlett's Test

Communalities

Total Variance Explained

Scree Plot

Component Matrix

Rotated Component Matrix

Component Transformation Ma

Factor Analysis

Notes

Active Dataset

KMO and Bartlett's Test

Communalities

Total Variance Explained

Scree Plot

Component Matrix

Rotated Component Matrix

Component Transformation Ma

agree that Dell Computers prices are products competitive?	571	.162	.478
And how much do you agree that Dell Computers features attractively designed computer system components?	511	.368	-.065
And how much do you agree that Dell has computers that run programs quickly?	547	.401	.161
And how much do you agree that Dell Computers has high-quality computers with no technical problems?	148	.582	.049
And how much do you agree that Dell Computers has high-quality peripherals (e.g., monitor, keyboard, mouse, speakers, disk drives)?	769	.267	-.063
And how much do you agree that Dell Computers bundles its computers with appropriate software?	301	.710	.257
And how much do you agree that Dell Computers bundles its computers with Internet access?	193	.791	.060
And how much do you agree that Dell Computers allows users to easily assemble components?	288	.606	-.081
And how much do you agree that Dell Computers has computer systems that users can readily upgrade?	714	.275	.145
And how much do you agree that Dell Computers offer easily accessible technical support?	867	.098	.870

ATHARVA INSTITUTE OF MANAGEMENT STUDIES

WORKSHOP on SPSS

Session 2

Date: 22/05/2021

Time: 10:00

Presented by

Dr. Sangeeta Trott

As a Guest Speaker

Powered by IQAC

Poonam Patel

S

sangeeta trott

Meeting details

Microphone

End Call

Video

Activate Windows

Go to Settings to activate Windows.

sangeeta trott is presenting

Windows Taskbar

screenrec

10:45 PM

21/05/2021

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

Neha Kukreja and 5 more

22:49

ATHARVA INSTITUTE OF MANAGEMENT STUDIES

WORKSHOP on SPSS

Dr. Sangeeta Trott, Professor, Tatyasaheb Kore Institute of Management Studies, Mumbai

Dr. Sangeeta Trott is presenting

Factor Analysis: Rotation

Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Meas
q4	Numeric	9	2	Overall, how sa...	{1.00, Very ...	None	8	Right	Nomina
q5	Numeric	8	2	How likely woul...	{1.00, Defin...	None	8	Right	Nomina
q6	Numeric	8	2	If you could ma...	{1.00, Defin...	None	8	Right	Nomina
q8_1	Numeric	8					8	Right	Nomina
q8_2	Numeric	8					8	Right	Nomina
q8_3	Numeric	8					8	Right	Nomina
q8_4	Numeric	8					8	Right	Nomina
q8_5	Numeric	8					8	Right	Nomina
q8_6	Numeric	8					8	Right	Nomina
q8_7	Numeric	8					8	Right	Nomina
q8_8	Numeric	8					8	Right	Nomina
q8_9	Numeric	8					8	Right	Nomina
q8_10	Numeric	8					8	Right	Nomina
q8_11	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina
q8_12	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina
q8_13	Numeric	8	2	And how much ...	{0.00, Do N...	0.00	8	Right	Nomina
q9_5per	Numeric	8	2	If the price of t...	{1.00, Defin...	None	8	Right	Nomina
q9_10per	Numeric	8	2	If the price of t...	{1.00, Defin...	None	8	Right	Nomina

Turn on microphone (CTRL + D)

Activate Windows

Go to Settings to activate Windows.

sangeeta trott is presenting

screenrec

10:49 PM

21/05/2021

Five Days Faculty Development Programme by IQAC, AIMS

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

black (Realtek High Definition Audio) and 5 more

22:55

ATHARVA INSTITUTE OF MANAGEMENT STUDIES

WORKSHOP on SPSS

Poonam Patel

sangeeta trott

Factor 1(customer service)=.769(quality peripherals)+.759(customization)+.757(delivery)+.7...

Meeting details

Activate Windows

Go to Settings to activate Windows.

10:55 PM 21/05/2021

screen rec

SPSS Processor is ready

IT 954, YK 365 st.

Component Transformation Matrix

Component	1	2	3
1	.695	.500	-.390
2	-.576	.845	-.375

Extraction Method: Principal Component Analysis.
Rotation Method: Varimax with Kaiser Normalization.
a. Rotation converged in 7 iterations.

Component Matrix

Component	1	2	3
1	.769	.267	-.083
2	.001	.710	.257
3	.150	.781	.060
4	.268	.600	-.061
5	.714	.275	.145
6	.067	.096	.970

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1


sangeeta trott is presenting

Neha Kukreja and 8 more

10

22:56

You



AIMS
ATHARVA

ATHARVA INSTITUTE OF MANAGEMENT STUDIES

Approved by AICTE, DTE, Government of Maharashtra & Affiliated to University of Mumbai
NAAC Accredited

INVITES
SANGEETA TROTT, PROFESSOR,
ITM, NAVI MUMBAI
FOR
DEVELOPMENT PROGRAMME
AS A GUEST SPEAKER

WORKSHOP on SPSS
Session 2 & 3
Date: 22/05/2021
Time: 10.00 AM

Powered by
IQAC
Ensuring Quality Assurance

Meeting details ^

Activate Windows
Go to Settings to activate Windows.

sangeeta trott is presenting

Windows taskbar: screenrec, 10:56 PM, 21/05/2021

Five Days Faculty Development Programme by IQAC, AIMS

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

sangeeta trott is presenting

Meeting details (10)

sangeeta trott 22:19
 $F1(\text{downloads}) = .847(\text{audio}) + .793(\text{video}) + .711(\text{picture})$
 $F2(\text{Internet activity}) = .784(\text{looked for a job}) + .715(\text{booked trips})$

garima bansal 22:30
 voice is not coming

garima bansal 22:31
 hi

sangeeta trott 22:55
 $\text{Factor 1}(\text{customer service}) = .769(\text{quality peripherals}) + .759(\text{customization}) + .757(\text{delivery}) + .714(\text{readily upgrade})$

Send a message to everyone

Activate Windows
 Go to Settings to activate Windows.

sangeeta trott is presenting

10:56 PM 21/05/2021

screenrec

SPSS Output [Document1] - SPSS Viewer

Factor Analysis

Active Dataset

KMO and Bartlett's Test

Communalities

Total Variance Explained

Scree Plot

Component Matrix

Rotated Component Matrix

Component Transformation Matrix

Extraction Method: Principal Component Analysis.
 Rotation Method: Varimax with Kaiser Normalization.
 a. Rotation converged in 7 iterations.

	1	2	3
1	.839	.500	.378
2	-.378	.645	-.378

SPSS: Procedures: Analyze

H: 954, W: 355 pt

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

Meeting details

(9)

Add people

IN CALL

- Shubhi Lal (You)
- Abhay Desai
- Bincy Baby
- garima bansal
- garima bansal
- Poonam Patel

Participants

- Poonam Patel
- Bincy Baby
- Sandeep Rasal

Meeting details ^

Activate Windows
Go to Settings to activate Windows.
Present now

Windows taskbar: screen rec, 11:18 PM, 21/05/2021

Five Days Faculty Development Programme by IQAC, AIMS

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

Meeting details

Meeting details (9)

Abhay Desai

Bincy Baby

garima bansal

garima bansal

Poonam Patel

sangeeta trott

Bincy Baby

garima bansal

Activate Windows
Go to Settings to activate Windows.
Present now

Meeting details ^

screen rec

11:19 PM
21/05/2021

Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

Poonam Patel is presenting

garima bansal and 5 more

23:27

You are presenting

You're presenting to everyone

Stop presenting

Meeting details

Meeting details

0.760 (Quality of advice) + 0.744 (knowledge of Representatives)

F1(Customer understanding) = 0.862 (understanding of customer situation) + 0.840 (Knowledge about customer) + 0.760 (Quality of advice) + 0.744 (knowledge of Representatives)

garima bansal 11:51 AM
F2(online service)+0.796(online services offered)+ 0.789(multiple service provider)
F3=0.80(fees and commission charges)

garima bansal 11:52 AM
is it right?

You 11:57 AM
F1 (Representatives) = 0.897(knows overall situation) + 0.888(providers knowledge) + 0.847 (knowledge of Representatives)

Send a message to everyone

Turn on captions

You are presenting

Activate Windows
Go to Settings to activate Windows.

Poonam Patel is presenting

screenrec

11:27 PM
21/05/2021

The screenshot displays the IBM SPSS Statistics Data Editor window. The background shows a data table with columns: Name, Type, Width, Decimals, Label, Values, Missing, Columns, Align, Measure, and Role. The data includes variables like Q21, Q22, Q23, Q24, Q25, Q26, Q27A, Q27B, Q27C, Q27D, Q27E, Q27F, Q27G, Q28, Q3_Recoded, Q2_Recoded, Q2_Recoded_3, Q4_Recoded, FAC1_1, FAC2_1, FAC1_2, and FAC2_2.

In the foreground, the "Reliability Analysis" dialog box is open. It contains two lists: "Items" and "Ratings". The "Items" list includes: Overall quality of non-te..., Overall quality of trainin..., Overall quality of techni..., Increase IT spending [Q..., Outsource existing IT s..., Increase current level of..., Invest in Microsoft's .N..., Offer new web services ..., Adopt XML language [Q..., and Expand usage of mobil... (which is selected). The "Ratings" list is empty. The "Model" dropdown is set to "Alpha". The "Scale label" field is empty. At the bottom of the dialog are buttons for "OK", "Paste", "Reset", "Cancel", and "Help".

At the bottom of the screen, there is a Windows taskbar with various icons and a system clock showing 11:35 PM on 21/05/2021. A watermark "screenrec" is visible in the bottom center.

*Output2 [Document2] - IBM SPSS Statistics Viewer

File Edit View Data Transform Insert Format Analyze Graphs Utilities Extensions Window Help

Output

- Log
- Reliability
 - Title
 - Notes
 - Active Dataset
 - Scale: ALL VARIABLES
 - Title
 - Case Processing Summary
 - Reliability Statistics

```

GET
  FILE='E:\ACADEMIC YEAR 2020-2021\fdp\fdp spss\Case 4[1].1 JPMorgan Data Recoded.sav'.
DATASET NAME DataSet2 WINDOW=FRONT.
GET
  FILE='E:\ACADEMIC YEAR 2020-2021\fdp\fdp spss\Case 3[1].2 IBM Data Recoded.sav'.
DATASET NAME DataSet3 WINDOW=FRONT.
RELIABILITY
  /VARIABLES=Q27A Q27B Q27C Q27D Q27E Q27F Q27G
  /SCALE('ALL VARIABLES') ALL
  /MODEL=ALPHA.

```

→ Reliability

[DataSet3] E:\ACADEMIC YEAR 2020-2021\fdp\fdp spss\Case 3[1].2 IBM Data Recoded.sav

Scale: ALL VARIABLES

Case Processing Summary

		N	%
Cases	Valid	625	62.5
	Excluded ^a	375	37.5
	Total	1000	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.786	7

meet.google.com is sharing your screen. Stop sharing Hide

Activate Windows
Go to Settings to activate Windows.

IBM SPSS Statistics Processor is ready Unicode:ON

screenrec 11:36 PM 21/05/2021

Five Days Faculty Development Programme by IQAC, AIMS

Case 3[1].2 IBM Data Recoded.sav [DataSet3] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

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	Name	Type
22	Q21	Numeric
23	Q22	Numeric
24	Q23	Numeric
25	Q24	Numeric
26	Q25	Numeric
27	Q26	Numeric
28	Q27A	Numeric
29	Q27B	Numeric
30	Q27C	Numeric
31	Q27D	Numeric
32	Q27E	Numeric
33	Q27F	Numeric
34	Q27G	Numeric
35	Q28	Numeric
36	Q3_Recoded	Numeric
37	Q2_Recoded	Numeric
38	Q2_Recode...	Numeric
39	Q4_Recoded	Numeric
40	FAC1_1	Numeric
41	FAC2_1	Numeric
42	FAC1_2	Numeric
43	FAC2_2	Numeric
44		
45		

Power Analysis >
Reports >
Descriptive Statistics >
Bayesian Statistics >
Tables >
Compare Means >
General Linear Model >
Generalized Linear Models >
Mixed Models >
Correlate >
Regression >
Loglinear >
Neural Networks >
Classify >
Dimension Reduction >
Scale >
Nonparametric Tests >
Forecasting >
Survival >
Multiple Response >
Missing Value Analysis...
Multiple Imputation >
Complex Samples >
Simulation... >
Quality Control >
Spatial and Temporal Modeling... >
Direct Marketing >

Values	Missing	Columns	Align	Measure	Role
Frequencies...		4	Right	Scale	Input
Descriptives...		4	Right	Scale	Input
Explore...		4	Right	Scale	Input
Crosstabs...		4	Right	Scale	Input
Ratio...		4	Right	Scale	Input
P-P Plots...		4	Right	Scale	Input
Q-Q Plots...		4	Right	Scale	Input
...	9, 0	4	Right	Scale	Input
...	9, 8	4	Right	Scale	Input
...	9, 8	5	Right	Scale	Input
...	9, 8	4	Right	Scale	Input
...	9, 8	4	Right	Scale	Input
...	88, 99	5	Right	Scale	Input
Microsof...	999	11	Right	Scale	Input
Small Fir...	None	10	Right	Scale	Input
Small Fir...	None	9	Right	Scale	Input
00, Low ...	None	12	Right	Scale	Input
...	None	13	Right	Scale	Input
...	None	13	Right	Scale	Input
...	None	13	Right	Scale	Input
...	None	13	Right	Scale	Input
...					
...					

Data View Variable View

Descriptive Statistics

Activate Windows
Go to Settings to activate Windows.

IBM SPSS Statistics Processor is ready Unicode: ON

screenrec

11:37 PM
21/05/2021

Case 3[1].2 IBM Data Recoded.sav [DataSet3] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

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	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Measure	Role
22	Q21	Numeric	1	0	Increase curren...	None	9, 8	4	Right	Scale	Input
23	Q22	Numeric	1	0	Quality of acco...	None	9, 8	4	Right	Scale	Input
24	Q23	Numeric	1	0	Overall quality ...	None	9, 8	4	Right	Scale	Input
25	Q24	Numeric	1	0	Overall quality ...	None	9, 8	4			
26	Q25	Numeric	1	0	Overall quality ...	None	9, 8	4			
27	Q26	Numeric	1	0	Overall quality ...	None	9, 8	4			
28	Q27A	Numeric	1	0	Increase IT spe...	None	9, 8	4			
29	Q27B	Numeric	1	0	Outsource exis...	None	9, 8	4			
30	Q27C	Numeric	1	0	Increase curren...	None	9, 8	4			
31	Q27D	Numeric	1	0	Invest in Micros...	None	9, 8	4			
32	Q27E	Numeric	1	0	Offer new web ...	None	9, 8	5			
33	Q27F	Numeric	1	0	Adopt XML lang...	None	9, 8	4			
34	Q27G	Numeric	1	0	Expand usage ...	None	9, 8	4			
35	Q28	Numeric	3	0	Industry your or...	None	88, 99	5			
36	Q3_Recoded	Numeric	8	0	Q3_Recoded	{1, Microsof...	999	11			
37	Q2_Recoded	Numeric	8	0	Q2_Recoded	{1, Small Fir...	None	10			
38	Q2_Recode...	Numeric	8	0	Q2_Recoded_3...	{1, Small Fir...	None	9	Right	Scale	Input
39	Q4_Recoded	Numeric	8	2	Recoded Satisf...	{1.00, Low ...	None	12	Right	Scale	Input
40	FAC1_1	Numeric	11	5	REGR factor sc...	None	None	13	Right	Scale	Input
41	FAC2_1	Numeric	11	5	REGR factor sc...	None	None	13	Right	Scale	Input
42	FAC1_2	Numeric	11	5	REGR factor sc...	None	None	13	Right	Scale	Input
43	FAC2_2	Numeric	11	5	REGR factor sc...	None	None	13	Right	Scale	Input
44											
45											

Descriptives

Variable(s):

- Quality of acco...
- Overall quality o...
- Overall quality o...
- Overall quality o...
- Overall quality o...
- Industry your or...
- Q3_Recoded [Q...
- Q2_Recoded [Q...

Options... Style... Bootstrap...

Save standardized values as variables

OK Paste Reset Cancel Help

Activate Windows
Go to Settings to activate Windows.

IBM SPSS Statistics Processor is ready Unicode:ON

11:38 PM 21/05/2021

Five Days Faculty Development Programme by IQAC, AIMS

*Output2 [Document2] - IBM SPSS Statistics Viewer

File Edit View Data Transform Insert Format Analyze Graphs Utilities Extensions Window Help

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variables in the procedure.

Reliability Statistics

Cronbach's Alpha	N of Items
.786	7

DESCRIPTIVES VARIABLES=Q27A Q27B Q27C Q27D Q27E Q27F Q27G
/STATISTICS=MEAN STDDEV MIN MAX.

→ **Descriptives**

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
Increase IT spending	848	1	5	2.90	1.097
Outsource existing IT services	836	1	5	2.25	1.068
Increase current level of security measures	862	1	5	3.49	.985
Invest in Microsoft's .NET web services	735	1	5	2.40	1.179
Offer new web services	812	1	5	3.05	1.178
Adopt XML language	713	1	5	2.91	1.200
Expand usage of mobile and wireless devices	808	1	5	3.16	1.140
Valid N (listwise)	625				

Activate Windows
Go to Settings to activate Windows.

IBM SPSS Statistics Processor is ready Unicode:ON

11:38 PM
21/05/2021

screenrec

Five Days Faculty Development Programme by IQAC, AIMS

Case 3[1].2 IBM Data Recoded.sav [DataSet3] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

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	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Measure	Role
22	Q21	Numeric	1	0	Increase curren...	None	9, 8	4	Right	Scale	Input
23	Q22	Numeric	1	0	Quality of acco...	None	9, 8	4	Right	Scale	Input
24	Q23	Numeric	1	0	Overall quali...						Input
25	Q24	Numeric	1	0	Overall quali...						Input
26	Q25	Numeric	1	0	Overall quali...						Input
27	Q26	Numeric	1	0	Overall quali...						Input
28	Q27A	Numeric	1	0	Increase IT s...						Input
29	Q27B	Numeric	1	0	Outsource e...						Input
30	Q27C	Numeric	1	0	Increase cur...						Input
31	Q27D	Numeric	1	0	Invest in Mic...						Input
32	Q27E	Numeric	1	0	Offer new we...						Input
33	Q27F	Numeric	1	0	Adopt XML I...						Input
34	Q27G	Numeric	1	0	Expand usa...						Input
35	Q28	Numeric	3	0	Industry you...						Input
36	Q3_Recoded	Numeric	8	0	Q3_Recoded						Input
37	Q2_Recoded	Numeric	8	0	Q2_Recoded						Input
38	Q2_Recode...	Numeric	8	0	Q2_Recoded						Input
39	Q4_Recoded	Numeric	8	2	Recoded Sa...						Input
40	FAC1_1	Numeric	11	5	REGR factor						Input
41	FAC2_1	Numeric	11	5	REGR factor						Input
42	FAC1_2	Numeric	11	5	REGR factor sc...	None	None	13	Right	Scale	Input
43	FAC2_2	Numeric	11	5	REGR factor sc...	None	None	13	Right	Scale	Input
44											
45											

Factor Analysis: Extraction

Method: Principal components

Analyze

☒ Correlation matrix

☐ Covariance matrix

Display

☒ Unrotated factor solution

☒ Scree plot

Extract

☒ Based on Eigenvalue

Eigenvalues greater than: 1

☐ Fixed number of factors

Factors to extract:

Maximum Iterations for Convergence: 25

Continue Cancel Help

Activate Windows
Go to Settings to activate Windows.

IBM SPSS Statistics Processor is ready Unicode:ON

11:40 PM
21/05/2021

Case 3[1].2 IBM Data Recoded.sav [DataSet3] - IBM SPSS Statistics Data Editor

File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help

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	Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Measure	Role
22	Q21	Numeric	1	0	Increase curren...	None	9, 8	4	Right	Scale	Input
23	Q22	Numeric	1	0	Quality of acco...	None	9, 8	4	Right	Scale	Input
24	Q23	Numeric	1	0	Overall quality ...						Input
25	Q24	Numeric	1	0	Overall quality ...						Input
26	Q25	Numeric	1	0	Overall quality ...						Input
27	Q26	Numeric	1	0	Overall quality ...						Input
28	Q27A	Numeric	1	0	Increase IT spe...						Input
29	Q27B	Numeric	1	0	Outsource exis...						Input
30	Q27C	Numeric	1	0	Increase curren...						Input
31	Q27D	Numeric	1	0	Invest in Micros...						Input
32	Q27E	Numeric	1	0	Offer new web ...						Input
33	Q27F	Numeric	1	0	Adopt XML lang...						Input
34	Q27G	Numeric	1	0	Expand usage ...						Input
35	Q28	Numeric	3	0	Industry your or...						Input
36	Q3_Recoded	Numeric	8	0	Q3_Recoded						Input
37	Q2_Recoded	Numeric	8	0	Q2_Recoded						Input
38	Q2_Recode...	Numeric	8	0	Q2_Recoded_3...						Input
39	Q4_Recoded	Numeric	8	2	Recoded Satisf...	{1.00					Input
40	FAC1_1	Numeric	11	5	REGR factor sc...	None	None	13	Right	Scale	Input
41	FAC2_1	Numeric	11	5	REGR factor sc...	None	None	13	Right	Scale	Input
42	FAC1_2	Numeric	11	5	REGR factor sc...	None	None	13	Right	Scale	Input
43	FAC2_2	Numeric	11	5	REGR factor sc...	None	None	13	Right	Scale	Input
44											
45											

Factor Analysis

Factor Analysis: Rotation

Method

☐ None ☐ Quartimax

☒ Varimax ☐ Equamax

☐ Direct Oblimin ☐ Promax

Delta: 0 Kappa 4

Display

☒ Rotated solution ☐ Loading plot(s)

Maximum Iterations for Convergence: 25

Continue Cancel Help

Descriptives... Extraction... Rotation... Scores... Options...

Activate Windows
Go to Settings to activate Windows.

IBM SPSS Statistics Processor is ready Unicode:ON

screenrec

11:41 PM
21/05/2021

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*Output2 [Document2] - IBM SPSS Statistics Viewer

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Output

- Log
- Reliability
 - Title
 - Notes
 - Active Dataset
- Scale: ALL VARIABLES
 - Title
 - Case Processing Summary
 - Reliability Statistics
- Log
- Descriptives
 - Title
 - Notes
 - Descriptive Statistics
- Log
- Factor Analysis
 - Title
 - Notes
 - KMO and Bartlett's Test
 - Communalities
 - Total Variance Explained
 - Scree Plot
 - Component Matrix
 - Rotated Component Matrix
 - Component Transformation Matrix

Factor Analysis

KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.847
Bartlett's Test of Sphericity	Approx. Chi-Square	971.028
	df	28
	Sig.	<.001

Communalities

	Initial	Extraction
Increase IT spending	1.000	.534
Outsource existing IT services	1.000	.585
Increase current level of security measures	1.000	.509
Invest in Microsoft's .NET web services	1.000	.539
Offer new web services	1.000	.635
Adopt XML language	1.000	.677
Overall quality of technical support	1.000	.326
Expand usage of mobile and wireless devices	1.000	.518

Extraction Method: Principal Component Analysis.

Total Variance Explained

	Initial Eigenvalues	Extraction Sums of Squared Loadings	Rotation Sums of Squared Loadings
--	---------------------	-------------------------------------	-----------------------------------

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*Output2 [Document2] - IBM SPSS Statistics Viewer

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- Log
- Reliability
 - Title
 - Notes
 - Active Dataset
 - Scale: ALL VARIABLES
 - Title
 - Case Processing Summary
 - Reliability Statistics
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- Descriptives
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 - Title
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 - KMO and Bartlett's Test
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 - Total Variance Explained
 - Scree Plot
 - Component Matrix
 - Rotated Component Matrix
 - Component Transformation Matrix

web services

Offer new web services	1.000	.635
Adopt XML language	1.000	.677
Overall quality of technical support	1.000	.326
Expand usage of mobile and wireless devices	1.000	.518

Extraction Method: Principal Component Analysis.

Total Variance Explained

Component	Initial Eigenvalues			Extraction Sums of Squared Loadings			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
1	3.312	41.400	41.400	3.312	41.400	41.400	2.842	35.528	35.528
2	1.013	12.660	54.059	1.013	12.660	54.059	1.482	18.531	54.059
3	.892	11.146	65.206						
4	.785	9.811	75.017						
5	.603	7.540	82.557						
6	.531	6.643	89.200						
7	.472	5.903	95.103						
8	.392	4.897	100.000						

Extraction Method: Principal Component Analysis.

Scree Plot

4

Activate Windows
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Meet - ycb-iguf-kty

meet.google.com/ycb-iguf-kty?pli=1&authuser=1

Meeting details

(9)

Close

garima bansal 23:22
is it right?

Poonam Patel 23:27
 $F1(\text{Representatives}) = 0.897(\text{ knows overall situation}) + 0.888(\text{ providers knowledge}) + 0.847(\text{ knowledge of Representatives})$
 $F2(\text{ Fees}) = .889(\text{ Fees or Commission Charged})$

garima bansal 23:47
 $F1(\text{web service})s=(\text{adopt xml language})0.823+(\text{new web service}).791+(\text{.NET services})0.723$

sangeeta trott 23:48
Factor (outsourcing)=.755(Existing IT Services)

Send a message to everyone

Meeting details ^

Activate Windows
Go to Settings to activate Windows.
Present now

screenrec

11:49 PM
21/05/2021

Meet - ycb-iguf-kty

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Meeting details

(9)

garima bansal 23:22
is it right?

Poonam Patel 23:27
F1 (Representatives) = 0.897(knows overall situation) + 0.888(providers knowledge) + 0.847 (knowledge of Representatives)
F2(Fees) = .889 (Fees or Commission Charged)

garima bansal 23:47
F1(web service)s=(adopt xml language)0.823+ (new web service).791+ (.NET services)0.723

sangeeta trott 23:48
Factor (outsourcing)=.755(Existing IT Services)

Send a message to everyone

Activate Windows
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Present now

Meeting details ^

Windows taskbar: screen rec, 11:50 PM, 21/05/2021

Dr Poonam patel asking doubts from Dr Sangeeta Trott

Five Days Faculty Development Programme by IQAC, AIMS

Meet - ycb-iguf-kty

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B Bincy Baby and 3 more

23:51

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WORKSHOP on SPSS
Session 2 & 3
Date: 22/05/2021
Time: 10:00 AM - 1:00 PM

garima bansal

Poonam Patel

Abhay Desai

sangeeta trott

Meeting details ^

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11:51 PM
21/05/2021

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23:55

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SANGEETA TROTT, PRO
ITM, NAV
DEVELOPMENT PRO
AS A GUEST

OP on SPSS
2 & 3
/05/
00

You

Poonam Patel

sangeeta trott

garima bansal

Abhay Desai

Sandeep Rasal

B

Bincy Baby

Vaibhav. Patil

Meeting details ^

Activate Windows
Go to Settings to activate Windows.
Present now

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11:55 PM
21/05/2021

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23:56

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DE... SANGEETA TROTT, PRO...
ITM, NAV...
FA... LOPMENT PRO...
AS A GUEST

OP on SPSS
2 & 3
/05/202...
00 AM

You

Poonam Patel

sangeeta trott

garima bansal

Abhay Desai

Sandeep Rasal

B

Bincy Baby

Vaibhav. Patil

Meeting details ^

Activate Windows
Go to Settings to activate Windows.
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11:56 PM
21/05/2021

Meet - ycb-iguf-kty

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23:58

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GEETA TROTT, PRO
ITM, NAV
VELOPMENT PRO
AS A GUEST

OP on SPSS
2 & 3
/05/202
00 AM -

Poonam Patel

sangeeta trott

garima bansal

Abhay Desai

Sandeep Rasal

B

Bincy Baby

Vaibhav. Patil

Meeting details ^

Activate Windows
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People

11:58 PM
21/05/2021

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00:03

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INVITES
SANGEETA TROTT, PROFESSOR
ITM, NAVI MUMBAI
FOR
FACULTY DEVELOPMENT PROGRAMME
AS A GUEST SPEAKER

WORKSHOP on SPSS
Session 2 & 3
Date: 22/05/2021
Time: 10:00 AM

Powered by
IQAC

garima bansal has left the meeting

Poonam Patel

sangeeta trot

B

garima bansal has left the meeting

Sandeep Kasai

Bincy Baby

Vaibhav. Patil

Meeting details ^

Activate Windows
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screen rec

12:03 AM
22/05/2021

Attendance Sheet

		FDP on research writing										Workshop on SPSS			
srl	Name	How to write a Research Paper			How to publish Articles in Journal			How to write a Research Proposal				SESSION 1	SESSION 2	SESSION 3	
		27/03/2021 at 10.00 am	27/03/2021 at 10.45 am	27/03/2021 at 11.10 am	10/04/2021 at 10.38 am	10/04/2021 at 10.58 am	10/04/2021 at 11.19 am	24/04/2021 at 09.30 am	24/04/2021 at 10.15 am		total	08/05/2021 (9.30 am - 11.00 pm)	22/05/2021	22/05/2021	total
1	Col. Sudhir Raje	absent	absent	absent	absent	absent	absent	1	1			absent	absent	absent	
2	Prof. Abhay Desai	1	1	1	2	2	2	3	3		100%	1	2	3	100%
3	Prof. Ganesh Apte	1	1	1	absent	2	2	3	3		100%	1	2	3	100%
4	Prof. (Dr) Rekha Shenoy	absent	absent	absent	absent	absent	absent	absent	absent		absent	absent	absent	absent	
5	Prof. (Dr) Shubhi Lall Agarwal	1	1	1	2	2	2	3	3		100%	1	2	3	100%
6	Prof. (Dr) Poonam Patel	1	1	1	2	2	2	3	3		100%	1	2	3	100%
7	Prof. (Dr) Tarveen Kaur	1	1	1	absent	absent	absent	2	2			1	2	3	100%
8	Prof. Priyanka Kumari	1	1	absent				1	1			1	conducted online examination	conducted online examination	
9	Prof. Reena Poojara	absent	absent	absent	absent	absent	absent	1	1			1			
10	Prof. Vaibhav Patil	1	1	1	2	2	2	3	3		100%	1	2	3	100%
11	Prof. Sandeep Rasal	1	1	1	absent	absent	absent	2	2			1	2	3	100%
12	Prof. Sharon D'souza	1	1	1	absent	2	2	3	3		100%	1			
13	Prof. Bincy Baby	1	1	1	2	2	2	3	3		100%	1	2	3	100%

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14	Prof. Devika Talreja	1	1	1	absent	absent	absent	2	2			1	2	3	100%
15	Prof. Harsh Modi	1	absent	absent	absent	absent	absent	2	2			1			
16	Prof. Shivangi Hemdev	1	1	1	2	2	2	3	3		100%	1	absent - internet connection was very erratic	absent - internet connection was very erratic	
18	Ms. Indira Vanjare	absent	absent	absent	absent	absent	absent	absent	absent			absent	absent	absent	
19	Prof. Hiral Makhwana	1	1	1	2	2	2	3	3		100%	1	2	3	100%
20	Prof. Deepak Asarpota	1	1	1	absent	absent	absent	3	3			absent	1	2	
21	Prof. Kinjal Sethia	absent	absent	absent	absent	absent	absent	1	1			1	absent	absent	

E-Certificates Awarded –Research Writing



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THIS IS TO CERTIFY THAT

Prof. Abhay Desai

has attended a three days "Online Faculty Development Programme on Research Writing: How to write Research Paper ?, How to publish Articles in Journal ? & How to write a Research Proposal ?" on March 27th, April 10th & April 24th, 2021 organised by Internal Quality Assurance Cell.

Sangeeta Trott

DR SANGEETA TROTT
HEAD OF DEPARTMENT, DECISION SCIENCES
ITM BUSINESS SCHOOL, NAVI MUMBAI, INDIA
(TRAINER)

A handwritten signature in blue ink, appearing to read 'R. G. Ratnawat'.

DR R. G. RATNAWAT
DIRECTOR, AIMS

Atharva Education Complex, Malad-Marve Rd, Charkop Naka, Malad West, Mumbai - 400095
Website : www.atharvaims.edu.in



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Prof. Bincy Baby

has attended a three days "Online Faculty Development Programme on Research Writing: How to write Research Paper ?, How to publish Articles in Journal ? & How to write a Research Proposal ?" on March 27th, April 10th & April 24th, 2021 organised by Internal Quality Assurance Cell.

Sangeeta Trott

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Prof. Ganesh Apte

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(TRAINER)

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Prof. Hiral Makhwana

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Prof. (Dr) Poonam Patel

has attended a three days "Online Faculty Development Programme on Research Writing: How to write Research Paper ?, How to publish Articles in Journal ? & How to write a Research Proposal ?" on March 27th, April 10th & April 24th, 2021 organised by Internal Quality Assurance Cell.

Sangeeta Trott

DR SANGEETA TROTT
HEAD OF DEPARTMENT, DECISION SCIENCES
ITM BUSINESS SCHOOL, NAVI MUMBAI, INDIA
(TRAINER)

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DR R. G. RATNAWAT
DIRECTOR, AIMS

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Prof. Sharon D'souza

has attended a three days "Online Faculty Development Programme on Research Writing: How to write Research Paper ?, How to publish Articles in Journal ? & How to write a Research Proposal ?" on March 27th, April 10th & April 24th, 2021 organised by Internal Quality Assurance Cell.

Sangeeta Trott

DR SANGEETA TROTT
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ITM BUSINESS SCHOOL, NAVI MUMBAI, INDIA
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Prof. Shivangi Hemdev

has attended a three days "Online Faculty Development Programme on Research Writing: How to write Research Paper ?, How to publish Articles in Journal ? & How to write a Research Proposal ?" on March 27th, April 10th & April 24th, 2021 organised by Internal Quality Assurance Cell.

Sangeeta Trott

DR SANGEETA TROTT
HEAD OF DEPARTMENT, DECISION SCIENCES
ITM BUSINESS SCHOOL, NAVI MUMBAI, INDIA
(TRAINER)

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DR R. G. RATNAWAT
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Prof. (Dr) Shubhi Lall Agarwal

has attended a three days "Online Faculty Development Programme on Research Writing: How to write Research Paper ?, How to publish Articles in Journal ? & How to write a Research Proposal ?" on March 27th, April 10th & April 24th, 2021 organised by Internal Quality Assurance Cell.

Sangeeta Trott

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Prof. Vaibhav Patil

has attended a three days "Online Faculty Development Programme on Research Writing: How to write Research Paper ?, How to publish Articles in Journal ? & How to write a Research Proposal ?" on March 27th, April 10th & April 24th, 2021 organised by Internal Quality Assurance Cell.

Sangeeta Trott

DR SANGEETA TROTT
HEAD OF DEPARTMENT, DECISION SCIENCES
ITM BUSINESS SCHOOL, NAVI MUMBAI, INDIA
(TRAINER)

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DR R. G. RATNAWAT
DIRECTOR, AIMS

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Certificates - Workshop on SPSS



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THIS IS TO CERTIFY THAT

Prof. Abhay Desai

has attended a two days “Workshop on SPSS (Statistical Package for the Social Sciences)” on
May 8th & May 22nd, 2021 organised by Internal Quality Assurance Cell.

Sangeeta Trott

DR SANGEETA TROTT
HEAD OF DEPARTMENT, DECISION SCIENCES
ITM BUSINESS SCHOOL, NAVI MUMBAI, INDIA
(TRAINER)

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Sangeeta Trott

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ITM BUSINESS SCHOOL, NAVI MUMBAI, INDIA
(TRAINER)

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DR R. G. RATNAWAT
DIRECTOR, AIMS

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THIS IS TO CERTIFY THAT

Prof. Devika Jalreja

has attended a two days “Workshop on SPSS (Statistical Package for the Social Sciences)” on
May 8th & May 22nd, 2021 organised by Internal Quality Assurance Cell.

Sangeeta Trott

DR SANGEETA TROTT
HEAD OF DEPARTMENT, DECISION SCIENCES
ITM BUSINESS SCHOOL, NAVI MUMBAI, INDIA
(TRAINER)

A handwritten signature in black ink, appearing to read 'R. G. Ratnawat', is written over a horizontal line.

DR R. G. RATNAWAT
DIRECTOR, AIMS

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THIS IS TO CERTIFY THAT

Prof. Ganesh Apte

has attended a two days “Workshop on SPSS (Statistical Package for the Social Sciences)” on
May 8th & May 22nd, 2021 organised by Internal Quality Assurance Cell.

Sangeeta Trott

DR SANGEETA TROTT
HEAD OF DEPARTMENT, DECISION SCIENCES
ITM BUSINESS SCHOOL, NAVI MUMBAI, INDIA
(TRAINER)

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DR R. G. RATNAWAT
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Sangeeta Trott

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(TRAINER)

A handwritten signature in black ink, appearing to read 'R. G. Ratnawat', is written above a horizontal line.

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CERTIFICATE OF PARTICIPATION

THIS IS TO CERTIFY THAT

Prof. (Dr) Poonam Patel

has attended a two days “Workshop on SPSS (Statistical Package for the Social Sciences)” on
May 8th & May 22nd, 2021 organised by Internal Quality Assurance Cell.

Sangeeta Trott

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Prof. Sandeep Rasal

has attended a two days “Workshop on SPSS (Statistical Package for the Social Sciences)” on
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Prof. (Dr) Shubhi Lall Agarwal

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Prof. (Dr) Jarveen Kaur

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