

Report

National Level workshop on

Data Analysis Using R for Social Sciences Research

Date: 04-09-2021 (Saturday)

Learning outcome

After attending the workshop

- The participants will be able to carry out fundamental data analysis and establish meaningful finding for their research project using Free Open-Source Software – R Studio
- The Data Analysis Using R for Social Sciences Research workshop will enable participants to write programs in R, and its application in downstream data analysis. Successful completion of this workshop will provide participants with practical knowledge of the usage of R statistical programming language in data analysis.

SCHEDULE

Session I (10:00 am – 10:45 am)

- Descriptive Statistics including Charts.

Session II (11:15 am – 12:00 am)

- Comparing two group means
 - T tests

Session III (1:30 pm – 2:15 pm)

- Comparing more group means
 - ANOVA

➤ Association between categorical variables

- Chi square test

Session IV (2:45 pm – 3.30 pm)

➤ Prediction techniques

- Regression Analysis



KONGU ENGINEERING COLLEGE

(AUTONOMOUS)

Perundurai, Erode-638060, Tamilnadu, India



SCHOOL OF MANAGEMENT STUDIES

**National Level workshop on
Data Analysis Using R for
Social Sciences Research**



Learning outcome

After attending the workshop the participants will be able to carry out fundamental data analysis and establish meaningful finding for their research project using Free Open Source Software – R Studio

Fees:

Faculty- 200/-

Research Scholar- 100/-

Gpay Number: 9842721589

**Date: 04-09-2021
Day: Saturday**



For Registration:

<https://forms.gle/hlT7kg5DJqo7yZKa6>

SCHEDULE

Session I (10:00 am – 11:00 am)

Descriptive Statistics including Charts.

Session II (11:00 am – 12:00 noon)

Comparing two group means - T tests

Session III (2:00 pm – 3:00 pm)

Comparing more group means - ANOVA,
Association between categorical variables - Chi square test

Session IV (3:00 pm – 4.00 pm)

Prediction techniques - Regression Analysis

Resource person:

Dr. R. Somasundaram is a Professor of Management Studies at Kongu Business School, Kongu Engineering College. He is an eminent scholar and researcher and has 26 years of academic experience. He has great interest in teaching Operations Management and Data analysis Courses. He is an approved research supervisor of Anna University, Chennai. His notable contribution in research is the predictive modeling to estimate the health index of MSMEs which was well received by industries. He has also received sponsored funding projects from UGC and ICSSR. He is much involved in contemporary curriculum design and taking up MDPs and industrial consultancy projects.

Program Coordinator

Dr.R. Somasundaram -9443305502

Dr. V.Krishnamoorthy - 9865136311

Dr. N.Prakash - 9842721589



KONGU ENGINEERING COLLEGE
(Autonomous)
PERUNDURAI, ERODE-638060, TAMIL NADU
Kongu Business School



Participants Details

Workshop on "Data Analysis using R for Social Science Research" on 04/09/2021

S. No	Name of the participant (For certificate) (In CAPITAL letters)	Email Address	Designation	Mobile Number (WhatsApp)	Address(for correspondence)	Registration Fees
1	AARIF	mdaarifansari000@gmail.com	Research Scholar	7835894782	University of Delhi	100
2	AARTHI R	aarthir.20mba@kongu.edu	Research Scholar	9442938685	Kongu Engineering College	100
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4	BRINDAVATHI R	rbindamba@gmail.com	Research Scholar	9840652905	Kongu engineering college	100
5	CHARLES.P	library@djacademy.ac.in	Research Scholar	9840264814	D J Academy for managerial Excellence	100
6	DHARSHNE M	dharshnemanoharan@gmail.com	Research Scholar	9443752057	Kongu Engineering College	100
7	DURYODHAN JENA	duryodhanjena@soa.ac.in	Associate Professor	7978462767	IBCS SOA Deemed to be UNIVERSITY	200
8	GNANA PRASAD J	prasadj2002@gmail.com	Assistant Professor	9798844433	Indian Institute of Management Ranchi	200
9	KAVITHA, J.	jkasaravanan@gmail.com	Professor	9842811358	Sri Ramakrishna college of arts and science Coimbatore	200
10	MEERA RAJESH SAWANT	myutility2907@gmail.com	Assistant Professor	9869400678	SNDT College of Arts and SCB College of Commerce and Science for Women	200
11	MORAMI DUTTA	moramid3@gmail.com	Research Scholar	9654861304	University of Delhi	100
12	PRIYANKA NAGAR	pihunagar@gmail.com	Research Scholar	9829528007	University of Rajasthan, Jaipur	100
13	PRREETHI E	Prreethi@gmail.com	Research Scholar	6384776565	Dj academy for managerial excellence	100
14	RAHAMATH .M	rahamathmphil2016@gmail.com	Research Scholar	9629110668	PRIST UNIVERSITY	100
15	RAMESH BABU.P	drrameshbabu.in@gmail.com	Research Scholar	9003555051	Annamalai University	100
16	RASHMI RANJAN PANIGRAHI	rashmiranjanpanigrahi@soa.ac.in	Research Scholar	9778789570	IBCS SOA UNIVERSITY	100
17	RITHANYA N	rithanyan.20mba@kongu.edu	Research Scholar	9677373347	KONGU ENGINEERING COLLEGE	100
18	S.V.SARAVANAN	coimbatoreprincipal@gmail.com	Professor	9842211356	Asian College of Engineering and Technology Coimbatore	200
19	SASIKUMAR MV	sasikum2020@gmail.com	Assistant Professor	9249526505	Institute of Cooperative Management	200
20	SATHYA.M	sathyam.20mba@kongu.edu	Research Scholar	9677562754	Kongu engineering college	100
21	SHAJITHA.K	jsshajitha.fazuva@gmail.com	Research Scholar	9786631899	Fatima college	100
22	SREERAMAN NANDHI	sreeraman.nandhi@djacademy.ac.in	Assistant Professor	9843248880	DJ Academy For Managerial Excellence	200
23	SYED SALMAN FAROOKH	ssfarkookh@gmail.com	Research Scholar	9590292666	Bangalore Medical College and Research Institute	100
24	TARIQUE QAISER	tariqueqaiser58@gmail.com	Research Scholar	8882295407	Delhi University	100
25	UMADEVI S	umasri1212@gmail.com	Research Scholar	9629544788	Kongu Engineering	100
26	VIVEKA.M.N	viveka@djacademy.ac.in	Assistant Professor	9047781930	DJ Academy For Managerial Excellence	200
					Total	3400
No. of Research Scholar			18			
No. of Faculty			8			



Kongu Engineering College (Autonomous)

Perundurai , Erode-638060, Tamil Nadu.

Kongu Business School

One Day Workshop on

Data Analysis using R for Social Science Research

Certificate



This is to certify that _____

participated in one day workshop on 'Data Analysis using R for Social Science Research' organized by the Department of Management Studies, Kongu Engineering College(Autonomous) Perundurai, Erode on 4th September 2021.

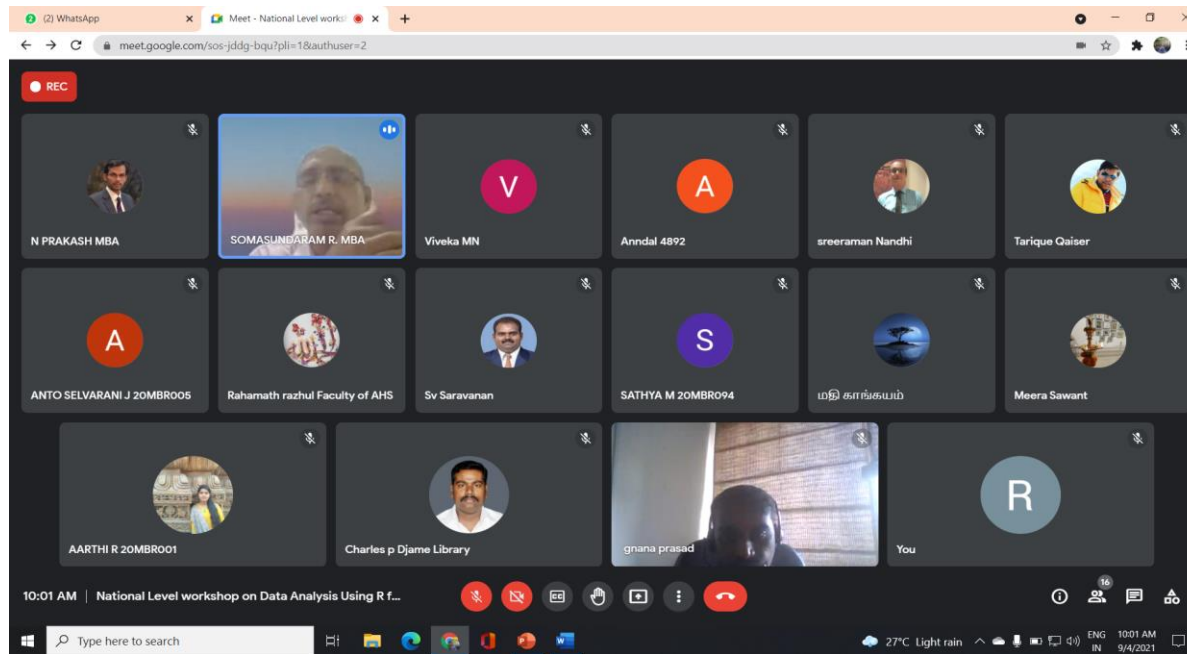
Resource Person

Coordinator

Organizing Secretary

KONGU BUSINESS SCHOOL

DATA ANALYSIS USING R FOR SOCIAL SCIENCE RESEARCH on 04.09.2021



Google Chrome browser tabs: (2) WhatsApp, Meet - National Level work..., Google Forms, Untitled form - Google Forms.

Address bar: meet.google.com/sos-jddg-bqu?pli=1&authuser=2

Meeting header: SOMASUNDARAM R. MBA is presenting

Shared content: National Level workshop on Data Analysis Using R for Social Sciences Research (Jan 4, 2021) - Google Jamboard

Jamboard content:

- Set background
- Clear frame
- Open on a Jamboard
- Handwritten text:
 - Nominal
 - Names
 - Gender
 - Political Party
 - Religion
 - Sector
- Buttons: Stop sharing, Hide
- Activate Windows: Go to Settings to activate Windows

Participants (8 visible):

- SOMASUNDARAM R. MBA (Presenting)
- Meera Sawant
- N PRAKASH MBA
- Viveka MN
- Anndal 4892
- sreeraman Nandhi
- 9 others
- You

Windows taskbar:

- Search Windows
- Time: 10:09 AM
- System tray: 27°C, AQI 40, ENG, 10:09 AM, 9/4/2021

WhatsApp Meet - National Level work Google Forms Untitled form - Google Forms ONE - DAY NATIONAL LEVEL ON

meet.google.com/sos-jddg-bqu?pli=1&authuser=2

REC SOMASUNDARAM R. MBA is presenting

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Environment History Connections Taskbar

data

	logarithmic	polynomial	polynomial	polynomial	polynomial	polynomial
1	51	53	54	55	56	57
2	48	50	51	52	53	54
3	47	49	50	51	52	53
4	46	48	49	50	51	52
5	45	47	48	49	50	51
6	44	46	47	48	49	50
7	43	45	46	47	48	49
8	42	44	45	46	47	48
9	41	43	44	45	46	47
10	40	42	43	44	45	46
11	39	41	42	43	44	45
12	38	40	41	42	43	44
13	37	39	40	41	42	43
14	36	38	39	40	41	42
15	35	37	38	39	40	41
16	34	36	37	38	39	40
17	33	35	36	37	38	39
18	32	34	35	36	37	38
19	31	33	34	35	36	37
20	30	32	33	34	35	36

Common: data

```
data <- read.csv("data.csv")
# data is fine software and comes with absolutely no warranty.
# you are welcome to redistribute it under certain conditions.
# type "license()" or "license()" for distribution details.
# natural language support but running in an english locale
# k is a collaborative project with many contributors.
# type "demo()" for some demo, "help()" for on-line help, or
# "help(package)" for an on-line browser interface to help.
# type "help()" to get it.
# (source: loaded from <data>)
#> read.csv("data.csv", file)
#> library(k)
#> k <- read.csv("data.csv", col_types = col_spec = col_character())
#> write(k)
```

Activate Windows
Go to Settings to activate Windows.

10:31 AM | National Level workshop on Data Analysis Using R f...

28°C Light rain

ENG 10:31 AM
IN 9/4/2021

SOMASUNDARAM R. MBA

Morami Dutta

N PRAKASH MBA

Viveka MN

ANTO SELVARANI J 20MB...

sreeraman Nandhi

10 others

You

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meet.google.com/sos-jddg-bqu?pli=1&authuser=2

REC SOMASUNDARAM R. MBA is presenting

RStudio

Environment: History Connections Global

data: 25 obs. of 3 variables
@closing_price_batly: 165 obs. of 3 variables
@grades_year: 165 obs. of 10 variables
@iris: 150 obs. of 7 variables
@iris2: 150 obs. of 3 variables
@lungcancer: 725 obs. of 5 variables
@mentab: 165 obs. of 2 variables
\$ intercept: chr [1:165] "yes" "yes" "no" "yes" ...
\$ gpa: num [1:165] 2.32 2.34 2.3 3.84 3.93 3.38 3.84 2.84 3.68 3.7 ...
values: 165 obs. of 3 variables
mytable: 'table' int [1:2, 1:2] 24 44 17 38

Count of region

region

Andhra Pradesh Karnataka Kerala Other states Tamil Nadu

10:48 AM | National Level workshop on Data Analysis Using R f...

28°C AQI 39

ENG 10:48 AM 9/4/2021