

Event Name	Professional Development Programme-PDP
Topic:	R for Statistical Analysis – 5 Days
Date:	6 th , 7 th , 9 th , 11 th & 12 th of March 2024
No. of Days:	5 Days
Start Time: End Time:	5.30 pm to 7.30 pm
Venue Campus Name & Place:	CMS Business School Jain (Deemed to be University) Bangalore
Section/Semester:	Academicians & Industry
Batch:	NA
Mod of Event Online (Provide Virtual Link)	https://zoom.us/j/96400937295? pwd=VIRZSzJXS3hQRTVZdENZa0Q0eXFWUT09 Meeting ID: 964 0093 7295 Passcode: 12345
Name of Speakers	Dr Chaya Bagrecha and Dr Lourden Selvamani
Chief Guest/Dignitaries/Speaker Designation:	Professor & Area Chair Finance, Assistant Professor Finance
Chief Guest/Dignitaries/Speaker Contact No & Email Id:	9844733999 dr.chayabagrecha@cms.ac.in 9486855453 dr.lourden_selvamani@cms.ac.in
Chief Guest/Dignitaries/Speaker Company/ Institute Name:	CMS Business School Jain (Deemed to be University) Bangalore CMS Business School Jain (Deemed to be University) Bangalore
Event Coordinators Name & Contact No.	Dr Shakeela Banu C 9844506206 Dr Madhavi R 9986593254
Collaboration & Association (Company Name,	NA
Guest Email Id:	dr.chayabagrecha@cms.ac.in dr.lourden_selvamani@cms.ac.in
Guest Contact Number:	9844733999
Moderator (if any)	NA
No. of Participants	42
Professional Photographer Name & Contact No.:	NA
Feedback:	Attached
Brochure/Poster: (if any)	Attached
Budget of the Program (if	NA

any):	
Revenue Collected: (if any)	54 Thousand.

1. Introduction:

This PDP is designed to provide participants with a foundation in R programming language for statistical analysis, data visualization, and data manipulation. With a focus on practical, hands on learning, participants will gain the skills and confidence needed to effectively work with data and perform statistical analysis. R is an open-source programming language that is widely used as a statistical software and data analysis tool. The beauty of R is that anyone can install it without purchasing a license. R generally comes with the Command-line interface. R is available across widely used platforms like Windows, Linux, and Mac OS. The R programming language has a vast community of users and it's growing day by day. R is currently one of the most requested programming languages in the Data Science job market that makes it the hottest trend nowadays. R has a wealth of packages and libraries, allowing users and researchers to perform complex tasks easily and extend its functionality. With a few modifications, the same codes can be saved and run to extract results from different datasets.

2. Program Objectives:

- To introduce participants to the fundamental concepts of research and statistics required for data analysis
- To familiarize participants with the R programming language for data analysis.
- To provide hands-on experience in data manipulation and cleaning.
- To teach various statistical techniques and their applications using R.
- To enable participants to create data visualizations to effectively communicate results.

3. Relevance to PO, Relevance to PEO and PSOs

PO	Program Objective (PO)
PO1	Apply knowledge of management theories and practices to address and resolve business challenges
PO2	Demonstrate analytical and critical thinking abilities for information-based decision making
PO3	Analyse global, economic, legal and ethical aspects of business
PO4	Apply trans-disciplinary tools and techniques towards effective problem solving
PO5	Assist others and self in accomplishing organizational objectives and contribute effectively to a collaborative team setting.
PO6	Exhibit an entrepreneurial mind-set for the establishment of sustainable businesses and societies.
PO7	Exemplify value-based leadership for excellence

4. Activity Overview:

Online Professional Development Program (PDP) titled ‘**R for Statistical Analysis**’, was held during **6th, 7th, 9th, 11th & 12th March 2024**, organised by CMS Business School, Faculty of Management Studies, Jain (Deemed-to-be University).

This PDP was designed to provide participants with a foundation in R programming language for statistical analysis, data visualization, and data manipulation. With a focus on practical, hands on learning, so that the participants will gain the skills and confidence needed to effectively work with data and perform statistical analysis.

5. Guest/Speakers’ Profile:



Dr. Chaya Bagrecha: Passion for learning new things and sharing knowledge has led Dr. Chaya Bagrecha, Professor and Area Head (Finance), Faculty of Management studies, CMS Business School, JAIN (Deemed-to-be University) to a conscious decision of opting for teaching as a profession. She

comes from a business family, which has helped her in hands-on training in entrepreneurial skills. She has done her MBA from Kuvempu University and Secured First rank and two gold medals for the best outgoing student in 1993. Having done her NET with JRF and SLET, she has come a long way, both in terms of academics and research. She was awarded the doctoral for her research in corporate governance. She is the recognized research guide of Jain and Bangalore University. She has published more than fifty papers in various journals and presented more than fifty papers in National and International conferences. Her research interests are in the diverse areas of Corporate Governance,

Universal Banking, Stock markets, Poverty alleviation, and entrepreneurship. She has a keen interest in learning new packages and analytical tools in Finance and Statistics.



Dr. Lourden Selvamani: Dr. V. Lourden Selvamani is an Assistant Professor (Finance) at Faculty of Management studies, CMS Business School, JAIN (Deemed-to-be University) in Bangalore, Karnataka. His academic journey is distinguished by the attainment of a Ph.D. degree from Pondicherry Central University. Before his current role, he served as a research assistant, contributing his expertise to a project funded by the Department of Science and Technology. His work delves into the dynamic realm of university-industry collaboration, a critical aspect of bridging

the gap between academia and industry. Furthermore, his research expertise extends to patent scientometrics. Proficient in utilizing various software tools, including SPSS and AMOS for data analysis, DEA Analysis for decision-making support, R Studio, and financial modelling for in-depth financial analysis, his research and academic journey commenced after successfully qualifying for UGCJRF in Commerce, both in July 2014 and June 2016, further underscoring his dedication to academic discipline.

6. Summary and Key Learnings of the session:

Day: 1 Research process and statistical tests

Statistical methods involved in carrying out a study include planning, designing, collecting data, analysing, drawing meaningful interpretation and reporting of the research findings. The statistical analysis gives meaning to the meaningless numbers, thereby breathing life into a lifeless data. The results and inferences are precise only if proper statistical tests are used. This article will try to acquaint the reader with the basic research tools that are utilised while conducting various studies. The article covers a brief outline of the variables, an understanding of quantitative and qualitative variables and the measures of central tendency. An idea of the sample size estimation, power analysis and the statistical errors is given. Finally, there is a summary of parametric and non-parametric tests used for data analysis.

Day-2 Introduction to R-basic operations

The greatest hurdle a new user faces when developing routines in R is the format of work – the so-called development cycle. Our interaction with computers has been simplified over the years and we are currently comfortable with the *point click* format. That is, if you want to perform an operation on the computer, just point the *mouse* to a specific location on the screen and click a button. Visual cues in a series of steps allow the execution of complex tasks. Be aware, however, that this form of interaction is just one layer above what actually happens. Behind all these *clicks*, there is a command being executed on your computer. Any common task such as opening a *pdf* file, a spreadsheet document, directing a *browser* to a web page has an underlying call to a code.

Day-3: Data visualization using R

The popular data visualization tools that are available are Tableau, Plotly, R, Google Charts, Infogram, and Kibana. The various data visualization platforms have different capabilities, functionality, and use cases. They also require a different skill set. This article discusses the use of R for data visualization. R is a language that is designed for statistical computing, graphical data analysis, and scientific research. It is usually preferred for data visualization as it offers flexibility and minimum required coding through its packages.

Day-4: Statistical analysis using R

Beginning RR is an open-source, freely available, integrated software environment for data manipulation, computation, analysis, and graphical display. The R environment consists of a data handling and storage facility, operators for computations on arrays and matrices, a collection of tools for data analysis graphical capabilities for analysis and display, and an efficient, and continuing developing programming algebra-like programming language which consists of loops, conditionals, user-defined functions, and input and output capabilities.

Day 5: Analysis using inbuilt datasets and stock prices

The main advantage of using AI in stock trading is in its capability to process large quantities of data in an efficient and prompt manner. Also, as these algorithms are able to process multiple variables at the same time for detecting complex patterns not easily visible to human traders, it gives them an edge in predicting market trends and profitable trades.

Stock data analysis using R involves examining the historical price and volume data of a particular stock or financial instrument to make informed investment decisions. Several technical indicators and terms are commonly used in stock data analysis to assess trends, momentum, and potential trading opportunities.

7. Participant & Attendance details:

Anandapadmanabhan S	Research Scholar	Mahatma Gandhi College, Thiruvananthapuram
Suhas K	Propreitor	Suhas K & Co, Chartered Accountants
PADMASHREE.P	Assistant Professor	CMS(Jain University)
Dr Pujri Sudharsana Reddy	Assistant Professor	CMS Business School Jain deemed to be University
Dr. Geeti Sharma	Associate Professor	CMS Business School Jain (Deemed to be University)
M.LOKESH	Student	CMS business school
Rishika Agrawal	Student	Cms business school
Dr. Shrinivas R. Patil	Professor	CMS Business School, JAIN(Deemed-to-be University) Bangalore
PUNDAREEKA VITTALA K R	Professor	Jain University
Chaitali Dey	Assistant Professor	Jain University
Dr. Syed Shahid Raza	Assistant Professor	CMS Business School, Jain Deemed to be University
SHAALINI J	Student	Jain University
Naveen Kumar Baskaran	Research Scholar	Jain University
SHIVANI RAMACHANDRAN IYER	Student	Jain University
Dr Ramchander Swami	Teacher	Education department
ISHITA GOPI	Teaching Assistant	CMS Business School, JAIN Deemed-to-be University
Anandapadmanabhan S	Research Scholar	Mahatma Gandhi College, Thiruvananthapuram
Annagiri Swetha	Student	Jain CMS Business school

K Raghu	Business analytics	AIMS
VIJAYA DHARSHINI P S	Student	CMS BUSINESS SCHOOL JAIN UNIVERSITY
Dhanyashree G Hublikar	Student	CMS B-SCHOOL JAIN UNIVERSITY
PAUL DANIEL VASEEKARAN S	Student	CMS BUSINESS SCHOOL, JAIN DEEMED-TO-BE UNIVERSITY
CA.Jyoti Jain	Assistant Professor	Manipal University,Jaipur
Dr. Amudha. S	Professor	CMS Business School
KRISHNAKUMAR SURPUR	PhD Research Scholar	Davangere Institute of Management Studies , Davangere
Roshan David Pereira	Assistant Professor	St. Joseph's Institute of Management
Jyothi M	Teaching Assistant	CMS BUSINESS SCHOOL JAIN UNIVERSITY
Bindu Kannan	Business Analyst	Alberta Blue Cross- Edmonton Canada
Souvik Moitra	Credit Manager	CMS Business School
Joshua Remlalliana	Scholar	Vignan's University
C.LALDINTHARA	Teaching cum Research Assistant	Vignan's Foundation for Science, Technology and Research
Achala Bhargavi R	PhD Scholar	Jain University CMS BS Sheshadri Road
Seema Nagaraj	Assistant Professor	Christ Academy Institute of Law
V Srinivasan	Associate professor	Vijaya PU college
Dr. Nagarathnamma J	Assistant Professor	Presidency College (Autonomous)
Deepakala R	VISITING FACULTY	JAIN UNIVERSITY
KUMAR MUKUL	Professor	CMS B School, Faculty of Management Studies, Jain (Deemed-to-be) University
Dr. Ravi Thirumalaisamy	Assistant Professor	Modern College of Business and Science, Post Box 100, Postal Code 133, Al Khuwair, Sultanate of Oman.
MOHANAMBAL PALANISAMY	Senior Lecturer	Modern College of Business and Science, Post Box 100, Postal Code 133, Sultanate of Oman
Dr Padma Mahadevan	Associate Professor	ISBR, International School of Business and Research

8. Details of Winners (if applicable): -NA

9. Details of the judges (if applicable): -NA

10. Participants' Feedback, Feedback Analysis, and Attainment Calculation

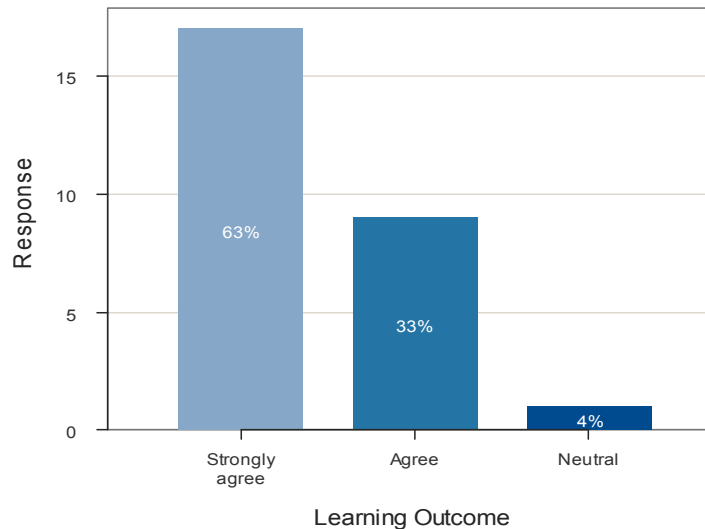


Figure 1: The learning outcomes of the sessions were achieved

Based on the responses provided, it seems that the majority of participants strongly agree or agree that the learning outcomes of the sessions were achieved. Out of the 24 responses, 14 participants strongly agree, while 9 participants simply agree. There was also one response indicating neutrality. This distribution suggests a high level of satisfaction among participants regarding the achievement of learning objectives. The strong agreement from the majority of participants indicates that the sessions effectively met the intended learning outcomes. The agreements also signify a positive perception of the outcomes, albeit to a slightly lesser extent. The neutral response could suggest some level of uncertainty or ambivalence from one participant. Overall, the overwhelming majority of responses leaning towards agreement and strong agreement, totaling 23 out of 24 responses, indicate a successful accomplishment of the learning outcomes.

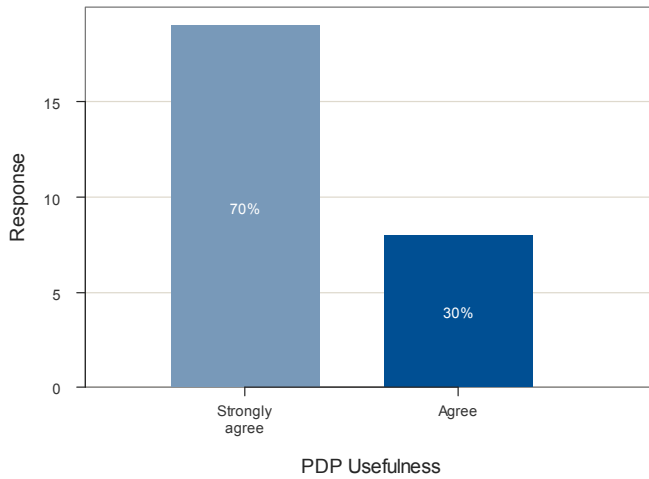


Figure 2: The sessions of the PDP were useful

Based on the responses provided, it is evident that the sessions of the Professional Development Program (PDP) were perceived as highly useful by the majority of participants. Out of the 27 responses, 21 participants strongly agree, while 6 participants simply agree. This overwhelming agreement underscores the effectiveness and value of the sessions in enhancing participants' skills or knowledge. The strong agreement from the majority indicates a strong consensus among participants regarding the usefulness of the PDP sessions. The agreements also reflect a positive perception of the sessions' utility, albeit with a smaller proportion. Overall, the combined responses of agreement and strong agreement from all participants indicate a unanimous acknowledgment of the sessions' usefulness, making it a valuable component of their professional development journey.

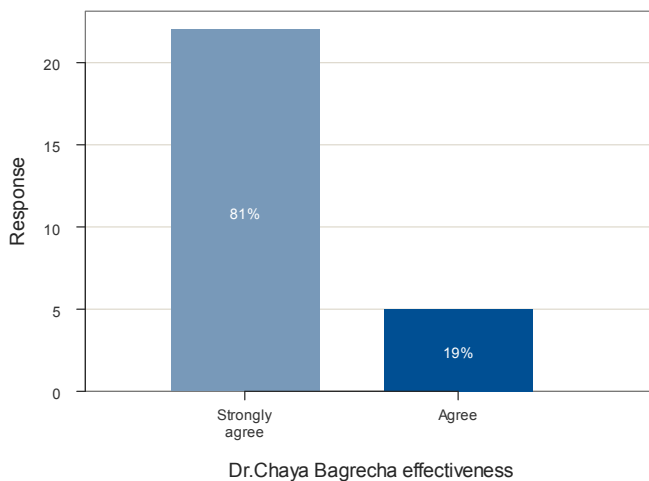


Figure 3: The resource person (Dr. Chaya Bagrecha) was effective

Based on the responses provided, it is evident that the resource person, Dr. Chaya Bagrecha, was highly effective according to the participants. Out of the 27 responses, 25 participants strongly agree, while 2 participants simply agree. This overwhelming agreement underscores the effectiveness and impact of Dr. Chaya Bagrecha's contributions to the sessions. The strong

agreement from the vast majority indicates a strong consensus among participants regarding Dr. Chaya Bagrecha's effectiveness as a resource person. The agreements also reflect a positive perception of Dr. Chaya Bagrecha's effectiveness, albeit with a smaller proportion. Overall, the combined responses of agreement and strong agreement from all participants indicate a unanimous acknowledgment of Dr. Chaya Bagrecha's effectiveness, highlighting her significant role in the success of the sessions.

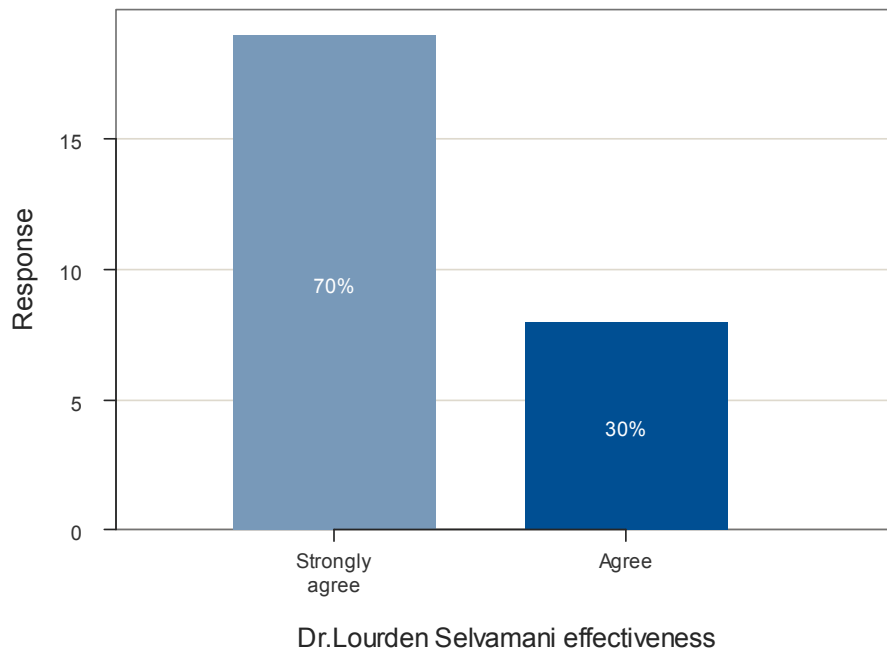


Figure 4: The resource person (Dr. Lourden Selvamani) was effective

Based on the responses provided, it is evident that the sessions of the Professional Development Program (PDP) were perceived as highly useful by the majority of participants. Out of the 27 responses, 21 participants strongly agree, while 6 participants simply agree. This overwhelming agreement underscores the effectiveness and value of the sessions in enhancing participants' skills or knowledge. The strong agreement from the majority indicates a strong consensus among participants regarding the usefulness of the PDP sessions. The agreements also reflect a positive perception of the sessions' utility, albeit with a smaller proportion. Overall, the combined responses of agreement and strong agreement from all participants indicate a unanimous acknowledgment of the sessions' usefulness, making it a valuable component of their professional development journey.

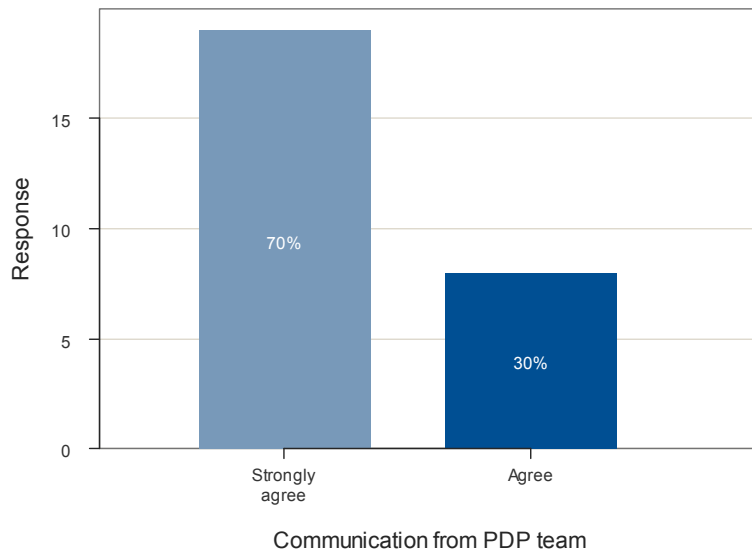


Figure 5: The communication from the PDP team was timely and helpful

Based on the responses provided, it is evident that the communication from the Professional Development Program (PDP) team was perceived as highly effective by the majority of participants. Out of the 27 responses, 24 participants strongly agree, while 3 participants simply agree. This overwhelming agreement underscores the timeliness and helpfulness of the communication provided by the PDP team. The strong agreement from the vast majority indicates a strong consensus among participants regarding the effectiveness of the communication. The agreements also reflect a positive perception of the communication's timeliness and helpfulness, albeit with a smaller proportion. Overall, the combined responses of agreement and strong agreement from all participants indicate a unanimous acknowledgment of the effectiveness of the communication from the PDP team, highlighting its importance in facilitating a smooth and successful PDP experience.

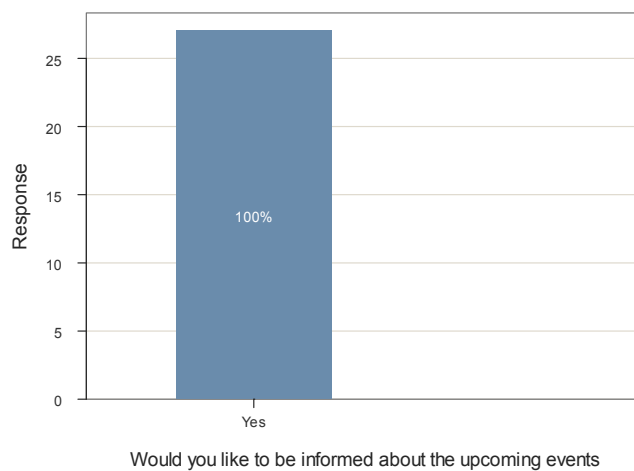


Figure 6: Would you like to be informed about the upcoming events in our Institution?

All participants provided positive feedback, indicating agreement across various aspects of the program. This widespread agreement suggests a high level of satisfaction and consensus among participants regarding the effectiveness, usefulness, and overall quality of the program.

11. Proposals for the Event/Programme:

To,

The Programme Coordinator for kind approval,

Sub: 5 Days PDP

The purpose of PDP is to provide specific inputs on r Statistical Data. The lecture has been planned for two hours. The planned program duration will be during -5.30 pm to 7.30 pm on 6,7,9,11,& 12th of March-2024.

Respected Programme Coordinator your kind approval is requested for the conduct of the same.

The Dean has recommended this proposal.

Kind Regards,

Faculty Coordinator
PDP Committee
Signature

PDP Committee Head
Approval Authority
Signature

12. Minutes of Meetings:

Meeting Title	5 Days PDP	
Date of Meeting	Februaru-2 nd	
Meeting Venue	210	
Meeting Agenda	To decide the dates for PDP	
In Attendance	Name	Title/Department/Organization
1	Dr Madhavi R	Professor & programme
2	Dr Shakeela Banu C	coordinator Finance
3		Associate Professor GM
Key Meeting Outcomes	<ul style="list-style-type: none"> It was decided that Dr Chaya Bagrecha & Dr Lourden Selvamani will be the Resource persons. 6,7,9,11 & 12th of March are the dates decided 	
Action Plans, if any (along with the First Person Responsible)	<ul style="list-style-type: none"> Dr Madhavi will coordinate in preparing the broacher .Rumani will send mails for registration Dr Shakeela banu c will prepare report for IQAC 	

13. Budget: - NA

14. Trailing Emails/communications:

3/21/24, 11:43 AM

Jain University - Center For Management Studies Mail - Welcome to the PDP | R for Statistical Analysis



Dr Shakeelabanu <dr.shakeelabanu@cms.ac.in>

Welcome to the PDP | R for Statistical Analysis

5 messages

Dr. Madhavi R <dr.madhavi@cms.ac.in> Mon, Mar 4, 2024 at 4:57 PM
To: Anandapadmanabhan sreevilas <Adpn1994@gmail.com>, suhaskica@gmail.com, Padmashree P <padmashree_p@cms.ac.in>, "Dr. Geeti Sharma" <dr.geeti_sharma@cms.ac.in>, LOKESH M <lokesm23@cms.ac.in>, RISHIKA AGRAWAL <Rishika_agrawal23@cms.ac.in>, "Dr. Shrinivas Patil" <dr.shrinivas_patil@cms.ac.in>, Pundareeka Vitala <vitalaramu@gmail.com>, Chaitali Dey <cpal134@gmail.com>, "Dr. Syed Shahid Raza" <dr.syed_shahidraza@cms.ac.in>, SHAALINI J <Shaalini_j23@cms.ac.in>, Naveen Kumar Baskaran <Naveenk142@gmail.com>, Shivani Iyer <Shivani_iyer22@cms.ac.in>, Ishita Gopi <ishita_gopi@cms.ac.in>, SWETHA ANNAGIRI <swetha_annagin23@cms.ac.in>, VIJAYA DHARSHINI <vijaya_dharshini23@cms.ac.in>, dharyashree_g23@gmail.com, PAUL DANIEL <paul_daniel23@cms.ac.in>, jyoti jain <jainjyoti100@gmail.com>, Amudha R <dr.amudha_r@cms.ac.in>, Krishnakumar Surpur <kgsurpur@gmail.com>, roshusj@gmail.com, Jyothi M <jyothi_m@cms.ac.in>, Kangk8@gmail.com
Cc: "Dr. Chaya Bagrecha" <dr.chayabagrecha@cms.ac.in>, Dr Shakeelabanu <dr.shakeelabanu@cms.ac.in>, Dr V Lourden Selvamani <dr.lourden_selvamani@cms.ac.in>, Harsha S <harsha@cms.ac.in>, Harold Patrick <harold.patrick@jainuniversity.ac.in>, "Dr. Dinesh Nilkant" <dineshnikant@cms.ac.in>

Dear Sir/Ma'am,

Greetings from CMS Business School, Jain (Deemed-to-be University)!

Welcome to the online Professional Development Program (PDP) titled 'R for Statistical Analysis', held during 6th, 7th, 9th, 11th & 12th March 2024, organised by CMS Business School, Faculty of Management Studies, Jain (Deemed-to-be University).

We believe that all of you are looking forward to the PDP and have already kept yourselves free of other commitments for all five days. Complete participation in all five sessions is important for clear learning of the concepts and receiving the PDP certificate.

Please note:

1. Kindly log in 10 minutes early on all the days. The timings are 5: 30 PM - 7: 30 PM (IST).
2. Please log in only from a laptop/desktop as this is aimed to provide hands-on training in Data Analysis R software.

The Zoom login info is:

<https://zoom.us/j/96400937295?pwd=VlRZSzMjXjS3hQRTVZdENZa0Q0eXFWUT09>

Meeting ID: 964 0093 7295

Passcode: 12345

3. Please download the required software before the session begins:

- R
- R Studio
- Quarto

You can download R and R Studio from the following link for installation:

https://www.stat.colostate.edu/~jah/talks_public_html/isec2020/installRStudio.html

For Quarto, please follow this link for installation:

<https://mail.google.com/mail/u/0/?ik=a5a8b43cf1&view-pt&search=all&permthid=thread-f:1792594514989260966&siml-msg-f:17925945149892609...> 1/3

3/21/24, 11:44 AM

Jain University - Center For Management Studies Mail - Thank you from the PDP Team | R for Statistical Analysis



Dr Shakeelabanu <dr.shakeelabanu@cms.ac.in>

Thank you from the PDP Team | R for Statistical Analysis

4 messages

Dr. Madhavi R <dr.madhavi@cms.ac.in>

Wed, Mar 13, 2024 at 12:17 PM

To: Anandapadmanabhan sreevilas <Adpn1994@gmail.com>, suhaska@gmail.com, Padmashree P <padmashree_p@cms.ac.in>, "Dr. Geeti Sharma" <dr.geeti_sharma@cms.ac.in>, LOKESH M <lokesh_m23@cms.ac.in>, RISHIKA AGRAWAL <Rishika_agrawal23@cms.ac.in>, "Dr. Shrinivas Patil" <dr.shrinivas_patil@cms.ac.in>, Pundareeka Vitala <vitalramu@gmail.com>, Chaitali Dey <cpal134@gmail.com>, "Dr. Syed Shahid Raza" <dr.syed_shahidraza@cms.ac.in>, SHAALINI J <Shaalini_j23@cms.ac.in>, Naveen Kumar Baskaran <Naveenkb142@gmail.com>, Shivani Iyer <Shivani_ier22@cms.ac.in>, Ishita Gopi <ishita_gopi@cms.ac.in>, SWETHA ANNAGIRI <swetha_annagiri23@cms.ac.in>, VIJAYA DHARSHINI <vijaya_dharshini23@cms.ac.in>, DHANYASHREE G <dhanyashree_g23@cms.ac.in>, PAUL DANIEL <paul_daniel23@cms.ac.in>, jyoti jain <jainjyoti100@gmail.com>, Amudha R <dr.amudha_r@cms.ac.in>, Krishnakumar Surpur <kgsurpur@gmail.com>, roshusj@gmail.com, Jyothi M <jyothi_m@cms.ac.in>, Kangk8@gmail.com, Souvik Moitra <souvik_moitra21@cms.ac.in>, zosuaremlalliana@gmail.com, "C. Laldinthara" <dinachawnghlut2@gmail.com>, b.achala@jainuniversity.ac.in, seemabh@yahoo.com, Kadam_srinivasa@yahoo.co.in, rathnamohan@gmail.com, Deepakala R <deepakala.r@gmail.com>, "Dr.kumar mukul" <dr.kumar_mukul@cms.ac.in>, Ravi Thirumalaisamy <ravi@mcbs.edu.com>, Mohanambal Palanisamy <mohanambal@mcbs.edu.com>, padma.mahadevan@isbr.in
Cc: "Dr. Chaya Bagrecha" <dr.chayabagrecha@cms.ac.in>, Dr V Lourden Selvamani <dr.lourden_selvamani@cms.ac.in>, Dr Shakeelabanu <dr.shakeelabanu@cms.ac.in>, Harsha S <harsha@cms.ac.in>, Harold Patrick <harold.patrick@jainuniversity.ac.in>, "Dr.Dinesh Nilkant" <dineshnikant@cms.ac.in>

Dear participants,

We thank you for your active participation in the recently concluded five-day' **Virtual Professional Development Program (PDP) 'R for Statistical Analysis'** held from 6th - 12th March 2024 by CMS Business School, Faculty of Management Studies, JAIN (Deemed-to-be University).

The PDP team places its gratitude towards the '*Resource Persons*' for their valuable sessions.

As spoken, PF below:

1. The Zoom recordings for all days are provided below:

Mar 6, 2024: Day 1

<https://zoom.us/rec/share/b-T-LQ8-NqfWTFRlxuQ4CzfNuZGOucoRk2eCEOZkpLUUec2IUxNqboyrkiYL.Nw5034VUrNwXPpD?startTime=1709726070000>

Passcode: 67D#h&K8

Mar 7, 2024: Day 2

https://zoom.us/rec/share/kIX1IJNe426AWNuvldJuxLUbSbWLFbtwMa3ptiNddYJSaUaqbpNgt-v_RAYFjqA.Kefw-R4VelJiXe8U?startTime=1709811213000

Passcode: HN.X66py

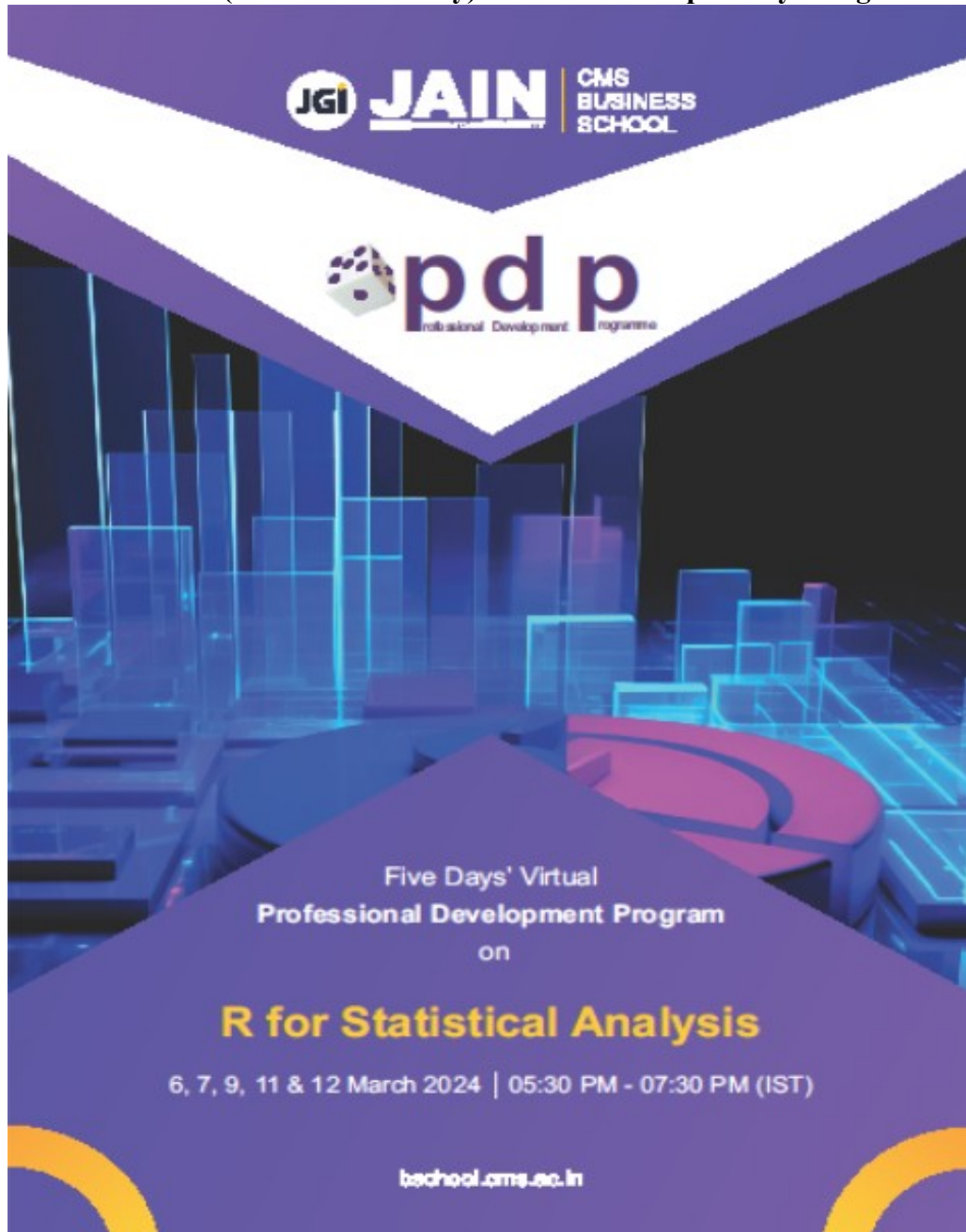
Mar 9, 2024: Day 3

https://zoom.us/rec/share/51ZJn_t67Yxw-cc6Hcov5MS83h99GvvnJ7t6qayzPSY3q_uWPzvZDRAehDGLwCF1.cC-v716a7aXnaShp?startTime=1709984773000

Passcode: xZW=F5C7

Mar 11, 2024: Day 4

15. Brochure/Poster: (JPEG format only) –Sent in mail separately along with Report



**16. Pictures for the Event: (On-Line)
Day-1**

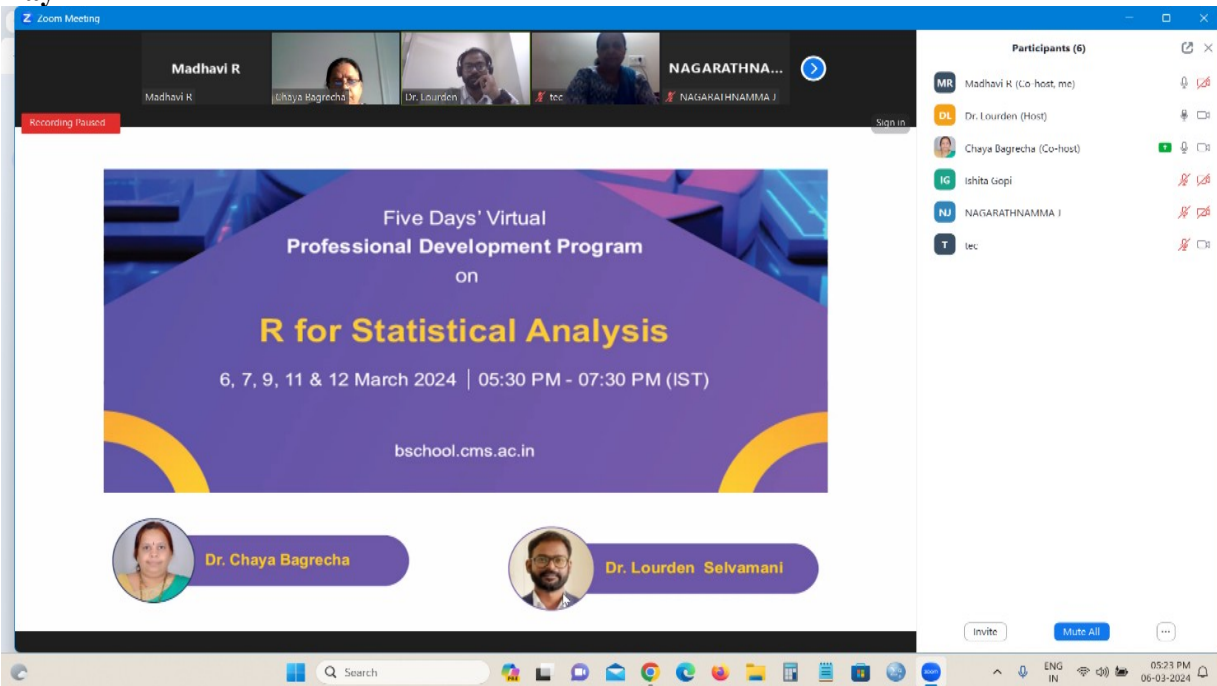


Figure 1: Inauguration of the 5 day FDP on 6th March 2024. Resource persons were Dr Chaya Bagrecha and Dr Lourden Selvamani, the topic for the FDP was "R for Statistical Analysis".

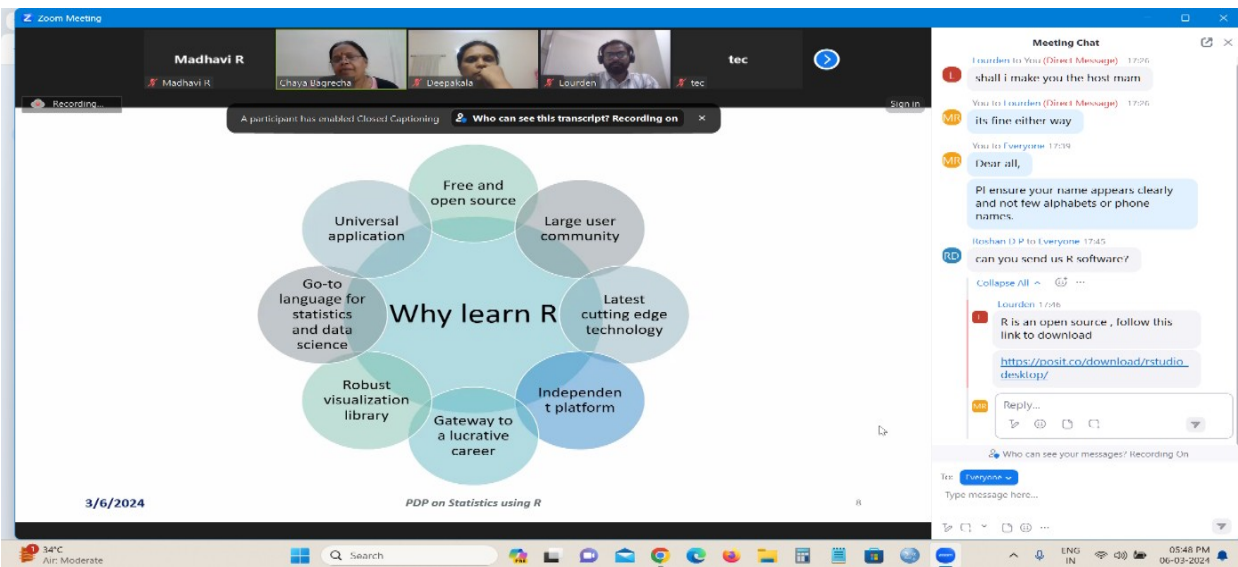


Figure 2: Dr Chaya Bagrecha was the resource person for Day-1. Participants are listening to the 2 Hrs explanation, "Why R is important".

Day-2



Figure 3: For Day -2 Dr Lourden Selvamani was the resource person, his session was on basic requirements of R.

Day-3

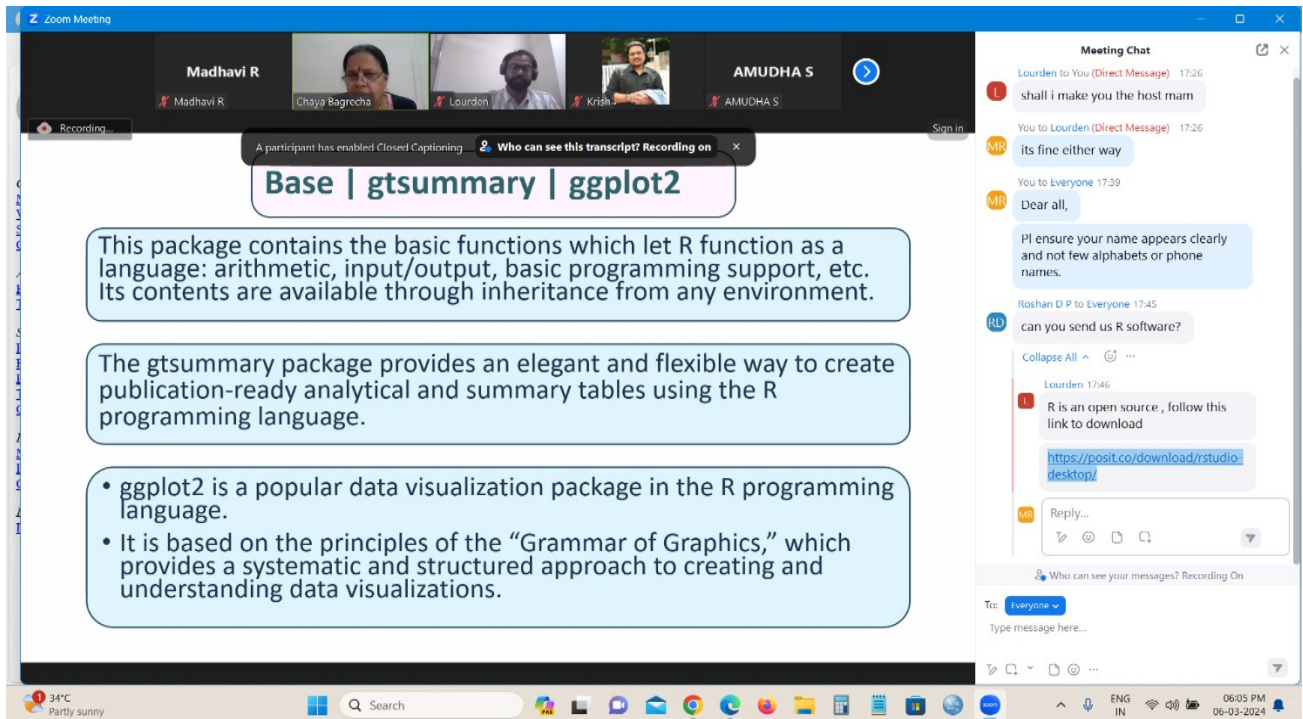


Figure 4: Day -3 Dr Chaya Bagrecha was the resource person for the 5 days FDP conducted online , the session was on "Data Visualization using R".

Day-4

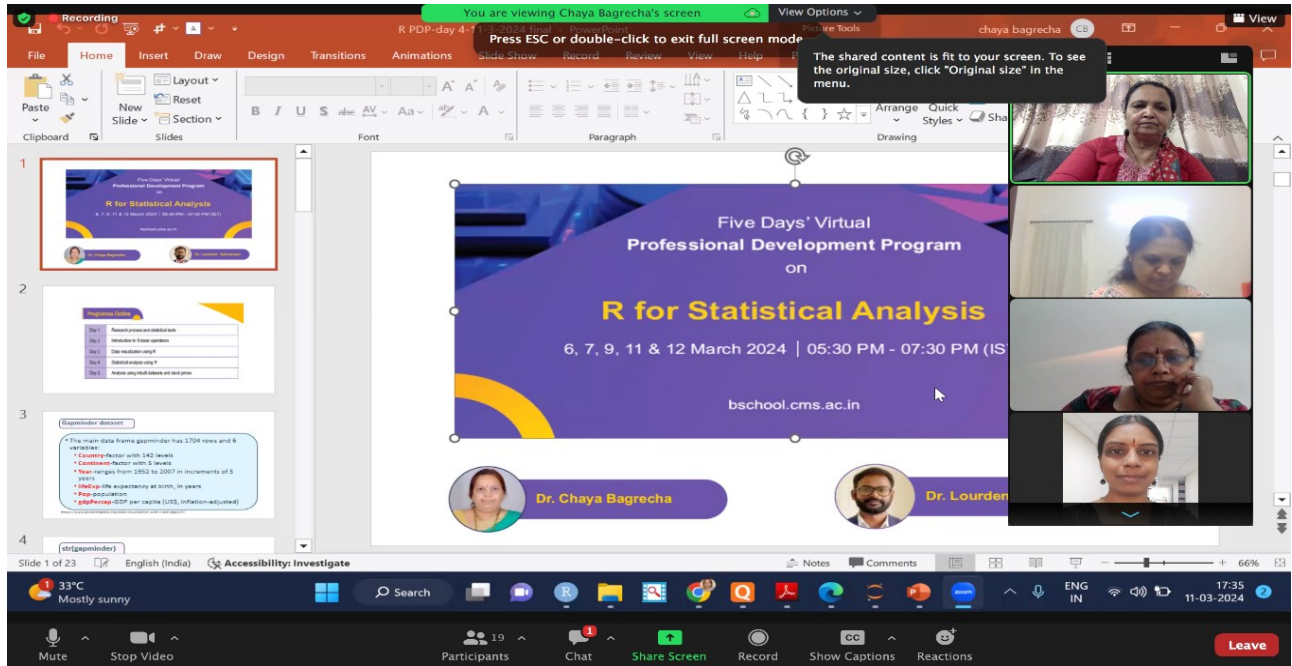


Figure 5: Day-4 Dr Lourden Selvamani was the resource person, the session was on the topic " Statistical Analysis using R"

Day -5

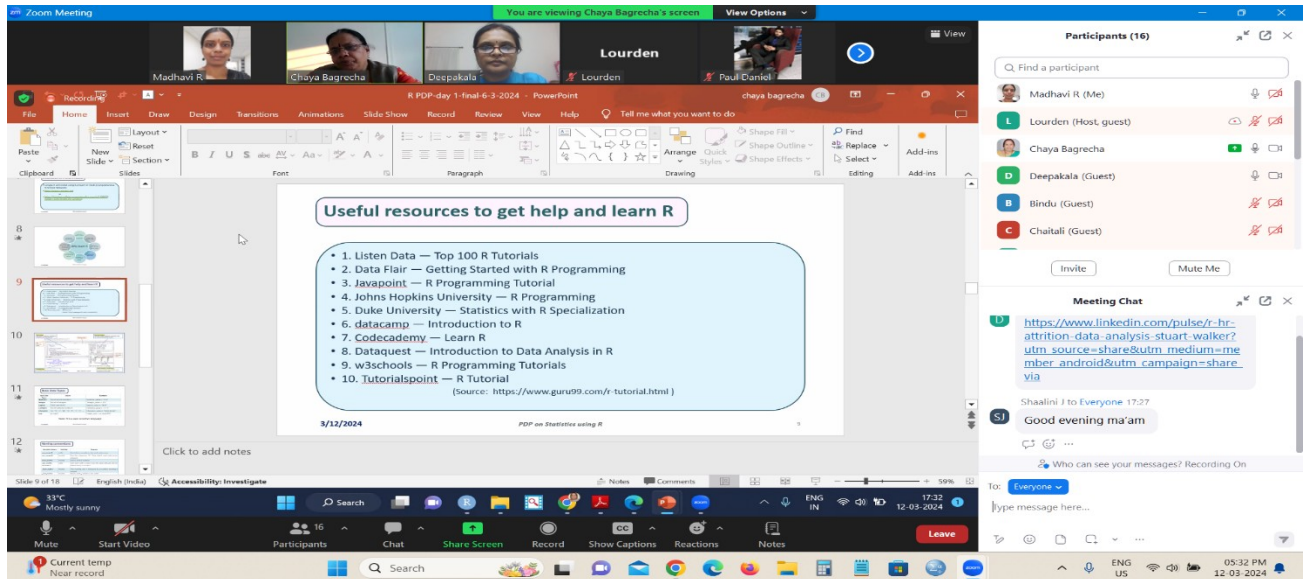


Figure 6: Day 5 , Dr Chaya Bagrecha was the resource person, The session was conducted on the topic" Analysis using inbuilt datasets and stock prices".