

Sankhyiki update for NMIMS Website

In its constant endeavor to provide students an effective engagement with the practical world, the Department of Statistics conducted “Sankhyiki”, a workshop specially designed for Statistics students.

To reach a wider audience and to accord a sense of organization to the program, since 2011, School of Science, NMIMS has been organizing Sankhyiki for the undergraduate students of Statistics of Mumbai University.

This year being “International Year of Statistics”, along with students, participants from industry and academics were also encouraged and given an opportunity to participate in this workshop.

Sankhyiki - 2013

This Year 2013-14, School of Science organized Sankhyiki on 29th and 30th November, 2013. A workshop on Data Analysis Using R software and sessions by stalwarts from the industry were the main features of Sankhyiki-2013.



Faculty, Department of Statistics, School of Science interacting with the chief guest – Mr. Srikanth, Co-founder and CEO, Fractal Analytics



Students at the registration desk for Sankhyiki

Total 86 participants participated in this workshop. (50 – College students, 13 – Industry people and Academics, 23 – SOS students)

50 enthusiastic students of Statistics from various colleges of Mumbai participated in this two day workshop. These students represent some of the most forward looking, progressive colleges in Mumbai such as Mithibai College (Post Graduate students), Bhavans' College, Ramnarain Ruia College, Ruparel College, Sathaye College and Khalsa College. 12 participants from various industries (IMRB, USV Ltd., IMS Health, Willis India, Ernst and Young etc.) also were a part of this workshop.



Participants

Day One – An Industry meet

The program was inaugurated by Mr. Srikanth, the Co-founder and Chief Executive Officer, Fractal Analytics.



Chief Guest, Mr. Srikanth lighting the lamp



Dr. Aparna Khanna, Dean, School of Science welcoming Chief Guest - Mr. Srikanth



Dr. Aparna Khanna, Dean, School of Science - addressing the gathering



Prof. Sunil Shirvaiker, Associate Professor, Department of Statistics, School of Science welcoming the gathering

According to Mr. Srikanth the future of analytics has already arrived and one should gain expertise in extracting information that is relevant for the current situation.



Mr. Srikanth - The future of Analytics



Prof. Shirvaiker presenting memento to Mr. Srikanth

The next session was by **Dr. Debjit Biswas**, Vice President, Clinical Development and Head of Biostatistics & Data Management, Piramal Enterprises Ltd.



Dr. Debjit Biswas - The role of Statisticians in Clinical Trials.



Mrs. Leena Kulkarni, Assistant Professor Presenting a memento to Dr. Debjit

Ms. Smita Tibrewal, Head - Motor Underwriting - Reliance General Insurance, Mumbai discussed how the young generation can explore the upcoming field of general insurance.



Ms. Smita Tibrewal – interacting with the audience



Dr. Sunita Mall, Assistant Professor presenting a memento to Ms. Smita

In her session, **Ms. Bhavyata Dave**, Adjunct Assistant Professor (Soft Skills), NMIMS explained how things should be perceived.



Little Things Matter – Ms. Bhavyata Dave



Dr. Sunita Mall, Assistant Professor presenting a memento to Ms. Bhavyata

She also explained how and why one should develop a humane approach and attitude towards life. All the teachings were through different activities. All the participants participated in the activities enthusiastically.

Participants enjoying the activity during the session by Ms. Bhavyata – Little Things Matter



The last session of the day was by **Dr. Abhiman Das**, Director, Statistical Analysis Division, Department of Statistics and Information Management, Reserve Bank of India, Mumbai. His topic of discussion was “Statistics in Reserve Bank of India – Some Reflection”. He also encouraged the students to get acquainted to various activities of RBI by visiting the department at RBI. He also briefed the participants about the job opportunities at RBI.



Dr. Abhiman Das interacting with the audience



Prof. Shirvaiker presenting memento to Dr. Abhiman Das



Vote of Thanks – Mrs. Leena Kulkarni



Compering - Mr. Kevin D'souza and Ms. Ruhama Aahale

Day Two – R training workshop

Session 1

Prof. Madhvi Jardosh, Associate Professor, Department of Statistics, K. J. Somaiya College of Science and Commerce and **Prof. Aarati Kore**, Assistant Professor, Department of Statistics, K. J. Somaiya College of Science and Commerce guided the participants on the data analysis using R Software. The participants were trained in base R in this morning session. The participants were given an overview of R and were trained in use of various basic arithmetic operations using R, special functions, built in functions and different statistical analysis techniques such as scatter plot, linear regression, Multiple Regression, box plot.



Prof. Madhavi Jardosh and Prof. Aarati Kore
(Basic R training workshop)



Prof. Madhavi Jardosh



Participants at R training workshop



Prof. Aarati Kore

Session 2

The second session of advanced R was conducted by **Dr. Jyothi Subramanian**, Biostatistician - Consultant & Research Scientist. In this session the participants were introduced to Testing of hypothesis, Test for normality, t-test, ANOVA, Chi-square test, Regression: Logistic regression- introduction to GLM. They were also briefed about the use of R software in industry and a web based app development using the Shiny package.



Dr. Jyothi Subramanian – at R training workshop (Advanced)

This workshop was very much appreciated by all the participants. The keenness of the participants and the manner in which they participated incentivizes the School to design, organize and bring forth more innovative programs/ workshops/ competitions for the students through Sankhyiki.