

## R Workshop

A 15 hour Certification Workshop on Basic Data Analysis using R was organized by the Research Committee, JMC between 26/09/18 and 27/03/19. The idea of conducting such a Workshop where students are trained on a software that is readily used in both research and corporate job profiles was put forth by Dr. Anu Saxena (Associate Professor and Head of the Department of Mathematics, JMC), who, along with Ms. Akanksha Aggarwal (Assistant Professor, Department of Economics, JMC), also developed the structure of the Workshop. Ms. Shalini Srivastava (Associate Professor and Head of the Department of Economics) helped with coordination of the workshop.

A batch of 30 students was given lectures on basics of Statistics and Econometrics followed by a 7 hour hands on training on Software R. The training on Software R was given by Ms. Akanksha Aggarwal (Assistant Professor, Department of Economics, JMC). The theory lectures were delivered by

Ms. Gurpreet Kaur (Assistant Professor, Department of Commerce, JMC),  
Dr. Monica Rani (Assistant Professor, Department of Mathematics, JMC),  
Ms. Priyanka Marwah (Assistant Professor, Department of Commerce, JMC),  
Dr. Ruhi Kakkar Ghai (Assistant Professor, Department of Commerce, JMC),  
Ms Charu Sarin Arora (Assistant Professor, Department of Commerce, JMC), and  
Ms. Saloni Arora (Assistant Professor, Department of Commerce, JMC).

The criteria for certificates was kept as attendance in at least 13 out of 15 lectures and successful submission of all four assignments. Based on the above criteria, 21 students and all the Resource Persons were given certificates in a concluding ceremony organised on 27 March, 2019.

Building on the knowledge imparted in the Workshop, as envisaged by Dr. Anu Saxena, students from the Department of Mathematics worked on different projects.

1. Paper titled 'Monofractal and Multifractal Analysis of Indian Agricultural Commodity Prices' was presented in the 3rd International Conference on Recent Trends in Mathematical Modeling and High Performance Computing 2020 (M3HPCST 2020), by Neha Sam, Vidhi Vashishth and Yukti, under able guidance from Dr. Monica Rani.

The abstract was published in the proceedings of the conference.

The paper is amongst the few selected papers that has been accepted for publication in the 1128 Springer Nature Switzerland AG journal .

2) Paper titled "Beauty Norm : The Undefined Defined" by Vibhu Sachdeva, Jasmine Saluja and Sheetal was presented and has been published in the International conference on "Social Media Marketing: Opportunities and Challenges" held at Jesus and Mary college on March 28-29, 2019.