



MEET THE EXPERTS

(An Industry – Academia Innovative Practice)

- **Mr. NICOLA STALDER, Consultant, IAZI, SWITZERLAND**
- **Mr. MATHIAS AMBÜHL, Senior Consultant And Managing Director, IAZI, SWITZERLAND**
- **Dr. GINTO J. POTTACKAL (Statistician at FDA-USA)**

About IAZI, Switzerland

IAZI pioneered a new market 20 years ago when the founders convinced 6 banks to combine their data in order to compute Switzerland's first automated valuation models for real estate. Today, over 200 financial institutions rely on IAZI's model in their everyday business making it the leader in their market.

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Objectives:

- Networking with industry people
- To get awareness about the opportunities in industry
- To introduce Skill development courses to improve the competency of students and to increase their career opportunities
- To familiarize emerging technologies in industry
- To develop entrepreneurial skills
- To identify the demands of industries and firms.
- To know about the challenges in industry and to find the solution

**NATIONAL WORKSHOP ON DATA SCIENCE (FROM
DATA TO KNOWLEDGE) IN ASSOCIATION WITH
DATACAMP**

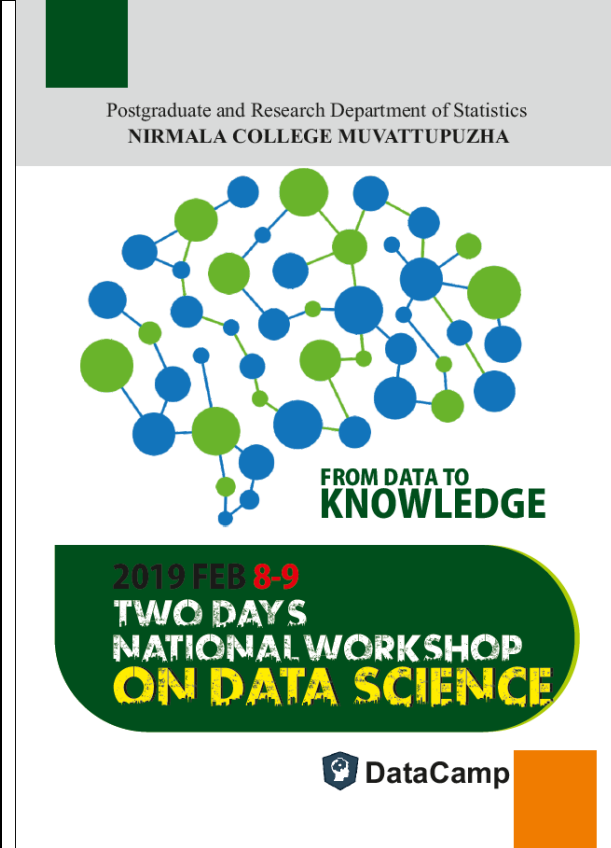

RESOURCE PERSONS	<ul style="list-style-type: none"> • Mr. NICOLA STALDER, Consultant, IAZI, SWITZERLAND • Mr. MATHIAS AMBÜHL, Senior Consultant And Managing Director, IAZI, SWITZERLAND • Dr. GINTO J. POTTACKAL(Statistician at FDA-USA) • Dr. Nidhi P Ramesh (Nirmala College, Muvattupuzha) • Mr. Tijo Mathews (K.E. COLLEGE, Mannanam)
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DATE	NUMBER OF STUDENTS PARTICIPATED
08-02-2019	160
09-02-2019	

BRIEF REPORT

Data Scientists are most sought after professionals in Big Data Analytics and IT Industry. Each and every domain of science, technology, arts, and economics are inclined more towards analytics which needs a massive amount of data collected for a long period of time. Shortage of skilled professionals in a world which is increasingly turning to data for decision making has also led to the huge demand for Data Scientists in start-ups as well as well-established companies. Besides business analytics, Data Scientists are also involved in building data products and software platforms, along with developing visualizations and machine learning algorithms. Thus the knowledge in the field of Data Science opens several high demand career paths. With an objective to give exposure to the students in the advanced topic of Data Science and artificial intelligence, the Post Graduate and Research Department of Statistics Department

of Statistics conducted a **National Workshop on Data Science (From Data to Knowledge)** in association with the **Data Camp**, a US based online “data science” learning platform offering tutorials and courses in data science. The company focus on the technology R, used for Big **Data**, **data** visualization, and programming with R and offer courses on interactive R, Python, Sheets, SQL and shell courses. The workshop was organised by the, Nirmala College, Muvattupuzha on 8-9 February 2019. Nicola Stalder, Consultant, IAZI, Switzerland & Mathias Ambühl, Senior Consultant and Managing Director, IAZI, Switzerland were the Chief Guests of the programme. Softwares developed by IAZI have already been used for applications such as core banking solutions, credit applications, web clients etc. The programme was inaugurated on 8th February 2019 at 09.30 am. The topics covered were, Review of basic R programing, Introduction to *Tidyverse*, Dates and Times in R with *lubridate*, Data manipulation in R with *dplyr*, Data visualisation with *ggplot*, New trends in data science, Cluster analysis, Supervised learning, Classification and Unsupervised learning. Students from various institutions in Kerala had participated in the Workshop. The training was well appreciated by the participants as it helped them to gain insight in the field of Data Science.

 <p>Postgraduate and Research Department of Statistics NIRMALA COLLEGE MUVATTUPUZHA</p> <p>FROM DATA TO KNOWLEDGE</p> <p>2019 FEB 8-9 TWO DAYS NATIONAL WORKSHOP ON DATA SCIENCE</p> <p></p>	<p style="text-align: right;">30-01-2019</p> <p>Dear Sir/Madam</p> <p>The postgraduate and research department of Statistics, Nirmala College Muvattupuzha is organizing a national workshop on Data Science using R on 08th and 09th February 2019. Dr. Mathias Ambühl (MD, IAZI- Switzerland), Mr. Nicola Stalder (Consultant IAZI-Switzerland), Dr. Nidhi P. Ramesh (Nirmala College), Mr. Tijo Mathews (K.E College Mannanam), and Dr. Ginto J. Pottackal (Statistician at FDA-USA) are the main resource persons.</p> <p>The workshop is intended for PG Students, Faculty members and research scholars of Statistics and Data science. We cordially invite your participation and support for making the program a grand success.</p> <p>Yours sincerely</p> <table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">Dr. T.M.Jacob <small>Coordinator</small></td> <td style="text-align: center;">Prof. Sophy Thomas <small>HoD Statistics</small></td> <td style="text-align: center;">Dr. T.M.Joseph <small>Principal</small></td> </tr> </table> <p>About the Department The Postgraduate and Research department of Statistics, Nirmala College, Muvattupuzha was established in 1984. It aims at producing teams of young statisticians within the jurisdiction of Mahatma Gandhi University Kottayam. The department organized several academic programs and provides robust computational support to meet the needs of students and researchers. Industrial and career-oriented interactions, innovative approaches on statistical software, consultancy services etc are regular features of this department. Many of our students are working in prestigious institutions in India and abroad. Many are well placed in Indian Statistical services. The center recognized the significance of the research and have produced many Ph.D. holders. The prominent statisticians who visited the department include Dr. A.M Mathai, McGill University, Canada, Dr. Thomas Mathew, (Maryland University, USA), Prof. Acharaya, ISI, Bangalore.</p> <p>About the workshop This Data Science Workshop will cover the whole data life cycle ranging from Data Acquisition and Data Storage, applying to model through R programming using Machine Learning algorithms and illustrate impeccable Data Visualization by ggplot2. This workshop is supported by DataCamp, the most intuitive learning platform for data science. The participants of this works will get a FREE ACADEMIC LICENCE to try all courses available with DataCamp.</p>	Dr. T.M.Jacob <small>Coordinator</small>	Prof. Sophy Thomas <small>HoD Statistics</small>	Dr. T.M.Joseph <small>Principal</small>
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