

Report on Three Day Webinar on Visualization, Analytics using R and Machine Learning

3-5-2020

On 28, 30 April 2020 and May 1,2020

Organized by Department of Computer Science and Engineering (SCIMS), BSACIST

In collaboration with

BrainSwig Eductech Pvt.Ltd

Webinar Co-ordinators

Conveners

Dr. E. Syed Mohamed, Prof.&Head, CSE

Mrs. R. Akila , AP(Sr.G)/CSE

Dr. Venkatesan Selvam, Dean, SCIMS

Mrs. J.Brindha Merin , AP(Sr.G)/CSE

Mrs.D. Madhina Banu, AP(Sr.G)/CSE

Mr. D.S. Manoj Kumar, AP/CSE

PREAMBLE

The Department of CSE in association with BrainSwig Eductech Pvt.Ltd conducted the following three webinars for the teaching faculty of BSACIST.

- Advanced Business Analytics Using R Software (April 28,2020)
- Data Visualization using Tableau (April 30,2020)
- Machine Learning using Python (May 1,2020)

BrainSwig is a leading DataScience, Big Data, Business Analysis, Big Data, Tableau, Machine Learning, Data Analysis, Business Analytics educational institute offering training programs designed to bridge the gap between academics and industry, which is located in Medavakkam, Chennai. BrainSwig offers a comprehensive range of professional Analytics programs .42 faculty from various departments of BSACIST attended the webinar.

Mr.Dinesh Babu R, Managing Director, BrainSwig delivered the lecture for the three days.



The course content delivered in the webinar is as follows:

Advanced Business Analytics Using R Software

(April 28,2020)

- 1. Business Analytics and it's Application
- 2. Association Techniques Amazon Product Recommendation Modelling
- 3. Apriori Algorithm and MBA (Market Basket Analysis)
- 4. Application of Association Rule using R Software
- 5. Business Analytics Career Opportunities in India and Global Market

Data Visualization using Tableau

(April 30,2020)

1. Tableau - Data Visualization - Bar chart-Connecting Tableau to a Data File CSV File

2. Creating Calculated Fields-Time series, Aggregation, and Filters-Working with Time Series

3. Understanding Aggregation, Granularity, and Level of Detail-Creating an Area Chart & Learning About Highlighting-Maps,

4. Scatterplots, and Your First Dashboard-Dashboard and Storyline Creation -Joining Data in Tableau-Creating a Map,

5. Working with Hierarchies-Joining and Blending Data-Advanced Dashboard Interactivity-Creating a Storyline.

Machine Learning using Python

(May 1,2020)

- Master the concepts of Supervised and Unsupervised Learning
- Gain practical mastery over principles, algorithms, and applications of machine learning through a hands-on project.
- Acquire thorough knowledge of the mathematical and heuristic aspects of machine learning.



- Understand the concepts and operation of Support vector machines, Kernel SVM, Naive Bayes, Decision tree classifier, Random forest classifier, Logistic regression, K Nearest neighbors, K Means clustering and more.
- Comprehend the theoretical concepts and how they relate to the practical aspects of machine learning.
- To model a wide variety of robust machine learning algorithms including deep learning, clustering, and recommendation systems
- Examine and learn data manipulation with R and Python functions also Learn the fundamentals of R and Python programming.
- Apply data visualization to make fancy plots also predictive Analytics to predict outcomes in R and Python.

Also the feedback about the session was collected from all the participants to improve the sessions that will be conducted in the mere future. Total number of participants is 42. The following are the details of the participants:

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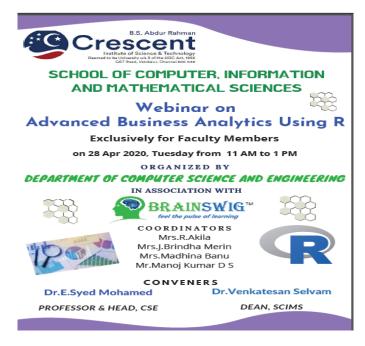


Fig. 1 Advanced Business Analytics Using R Software Brochure



Fig. 2 Data Visualization using Tableau Brochure



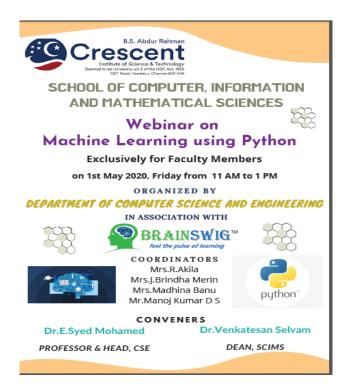


Fig. 3 Machine Learning using Python

Co-ordinators

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Feedback on Three Day Webinar on Visualization, Analytics using R and Machine Learning

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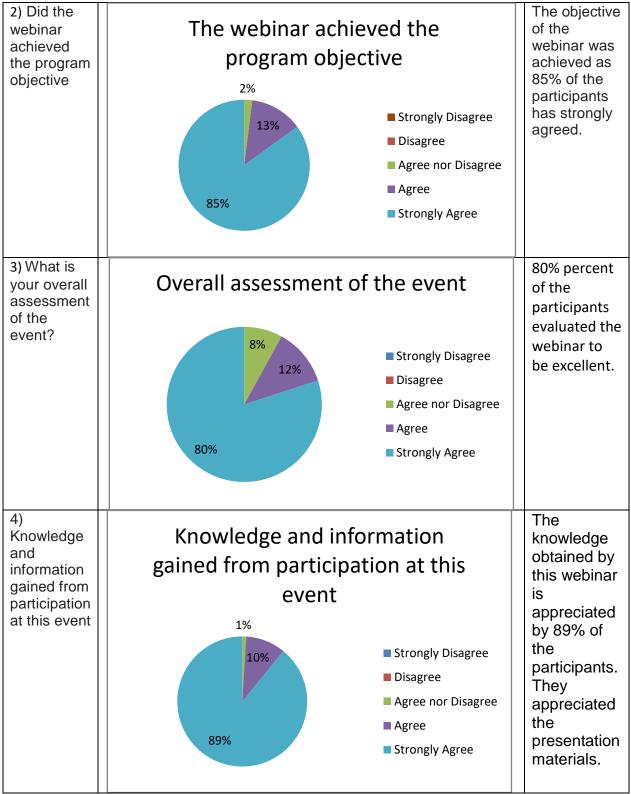
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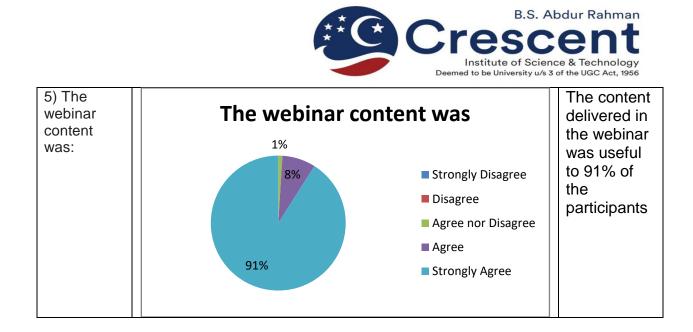
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Dr. Venkatesan Selvam, Dean, SCIMS

Feedback Points	Analysis		Inference
1)Webinar Attended	24%	 Advanced Business Analytics Using F Software Data Visualization Using Tableau Machine Learning using Python 	Data Visualization plays a major role in data science and machine learning. Hence 50% of faculty attended it.







The overall organization and deliverance of the webinar was helpful and satisfying to 86% of the participants. This webinar would help the participants to conduct the classes in a effective way and also it would help them to do their implementation in research work.

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Sample Feedbacks Responses obtained through Google form from the participants.

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Feedback Form

Feedback Form -Webinar	0 9
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