



October 16<sup>th</sup>, 2019

## ANNOUNCEMENT

### **R- THE STATISTICAL SOFTWARE FOR ACTUARIAL EXAMINATIONS- WEBINAR SERIES**

#### **I. ABOUT THE PROGRAM**

CS1B and CS2B examinations are based on application of R- statistical software where many students find difficulty in scoring of minimum marks. It's a matter of both learning and regular practice to acquire the expected level of required statistical modelling skills for an Actuary. Keeping in view of limited time to the next round of examination and also wider requirement of guidance and support on a PAN India basis, it may be appropriate to conduct regular and sufficient number of webinars in order to familiarise with R which eventually will lead to develop statistical models by regular practice.

Though important concepts in CS1 and CS2 will be referred, the program is not meant to cover all syllabus related objectives. The idea is to create a strong stepping stone for those who want to reach and practice in the R platform. The model of delivery envisages short interactive sessions of duration of 2 hours each in regular intervals by expert faculty members covering regular demos and project assignments. The webinar can be recorded in the desktop which may be used for guidance to practice to progress in developing models.

#### **II. PROGRAM SCHEDULE:**

The webinar will start on 21<sup>st</sup> Oct, 2019 which will continue for next 10 alternative days; students are expected to attend classes and assignments on a day to day basis along with their **laptop/desktop without fail** and to work simultaneously with the class in order to maintain the continuity of learning and practice. Below given the tentative schedule:

Dates	Timings	
	Morning	Evening
21-10-2019	9AM-11AM	4PM-6PM
23-10-2019	9AM-11AM	4PM-6PM
25-10-2019	9AM-11AM	4PM-6PM
28-10-2019	9AM-11AM	4PM-6PM
30-10-2019	9AM-11AM	4PM-6PM
01-11-2019	9AM-11AM	4PM-6PM

#### **III. REGISTRATION:**

- ✓ **Registration fee** : Rupees thousand (**₹1,000.00**) only.
- ✓ **Registration menu** : Login to IAI >>>Class room coaching>>>Registration
- ✓ **Registration open** : On 17<sup>th</sup> October, 2019 11.00 AM

#### **IV. COVERAGES:**

- ✓ What is R? Why R for us?
- ✓ Description and installation of R GUI and its IDEs



- ✓ Packages - meaning, inbuilt, installing & loading
- ✓ Environments in R, Arithmetic in R
- ✓ Import and export - various files types(citation needed to finalise list of types such as .csv)
- ✓ Help features and functions from packages
- ✓ Data and its edition - vector, matrices, data frames, lists, arrays and under them numeric, character, factor, missing cells.
- ✓ Graphics - plot(inbuilt function) and ggplot2 package
- ✓ Probability and Mathematical statistics (prior knowledge assumed) in R
- ✓ Conditional statements - do. call, if else
- ✓ R loops(also used to make own function) - for, while, repeat
- ✓ R loops - apply family
- ✓ Probability chains- Matrices
- ✓ Discussion of past questions from CS1B and CS2B
- ✓ Any special items as suggested by the audience which is relevant to the examination

## V. FACULTY

**Dr. Muhammad Fareed Thayyil.**, MSc., PhD and **Dr. Raju Narayanan**, MSc., PhD

## VI. BENEFITS OF ATTENDING THE PROGRAM:

- ✓ Unique program to learn R for Actuarial examinations
- ✓ Beginning of learning R, begins to understand similar software like SAS, SPSS etc.,
- ✓ Development of new skill and preparing for all future times
- ✓ Interacting with expert faculty members
- ✓ Gaining new job opportunities in the areas of data analytics and data science
- ✓ Gaining new employment opportunities
- ✓ Subsidised fees.

## VII. CONTACT:

Point of contact for all related queries: Vinod Kumar Kuttierath, Head-Education & Training  
at: [hoet@actuariesindia.org](mailto:hoet@actuariesindia.org) or 022 6243 3359