



T.C.
ANKARA ÜNİVERSİTESİ REKTÖRLÜĞÜ
Eğitim Bilimleri Fakültesi Dekanlığı
Fakülte Sekreterliği



ACELE VE GÜNLÜ

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Konu : R Kullanarak Veri Analizi ve Forecasting
Çalışmayı Hakkında

CELAL BAYAR ÜNİVERSİTESİ REKTÖRLÜĞÜNE
(Eğitim Fakültesi Dekanlığına)

International Institute of Forecasters (IIF) tarafından desteklenen ve Cardiff Üniversitesinden Dr. Bahman Rostami-Tabar tarafından yürütülen proje kapsamında Fakültemizde 15-17 Ocak 2019 tarihleri arasında R Kullanarak Veri Analizi ve Forecasting çalışmayı düzenlenecektir.

Sizi çalışmaya davet eder; çalışmanın Fakülteniz öğretim elemanlarına duyurulması ve ekteki programın ve afişin ilan edilmesi hususunda ilgi ve desteğinizi bekler, saygılarımı sunarım.



e-imzalıdır

Prof. Dr. Fatma BIKMAZ
Dekan

Ek :

- 1 - Çalıştay tanıtımı ve Program
- 2 - Program Afişi
- 3 - R Kullanarak Veri Analizi ve Forecasting Çalışmayı

Dağıtım:

BOZOK ÜNİVERSİTESİ REKTÖRLÜĞÜNE
(Eğitim Fakültesi Dekanlığına)
DÜZCE ÜNİVERSİTESİ REKTÖRLÜĞÜNE
(Eğitim Fakültesi Dekanlığına)
ADİYAMAN ÜNİVERSİTESİ
REKTÖRLÜĞÜNE
(Eğitim Fakültesi Dekanlığına)

Not: 5070 sayılı Elektronik İmza Kanunu gereği bu belge elektronik imza ile imzalanmıştır.

Belge Doğrulama Kodu : CEPKQOTBSTSINXXAMSKN Belge Takip Adresi: <http://belgedogrulama.ankara.edu.tr/>
Ankara Üniversitesi Cebeci Yerleşkesi Cebeci-Çankaya/Ankara /ANKARA
Telefon No: 0312 363 33 50 Belgegeçer No: 0312 363 61 45
e-posta: - internet adresi: -

Bilgi için: Ramazan YASAN
Şef V.
Telefon No: (312) 363 33 50-1006

R Kullanarak Veri Analizi ve Forecasting alıřtayı

IIF (International Institute of Forecasters) tarafından desteklenen ve Cardiff niversitesinden Dr. Bahman Rostami-Tabar tarafından yrtlen bir proje kapsamında tamamen cretsiz olan ve  gn boyunca srecek olan bir alıřtayı yapılacaktır. alıřtayı temel amacı, geliřmekte olan ekonomilerde forecasting'in neminin vurgulanması; niversite ğrencilerinin, akademisyenlerin ve profesyonellerin, R yazılımını kullanarak forecasting ilkelerini karar verme srelerinde gz nnde bulundurmalarını desteklemektir. Bu projenin nihai hedefi, 5 yıl ierisinde 20 lkeden 400 birey yetiřtirmektir. lkeler, Dnya Bankası verilerine gre oluřturulan dřk ve dřk-orta gelirli lkeler arasından seilmektedir.

alıřtayı İngilizce dilinde gerekleřtirilecektir. alıřtayı iliřkin afiři ve alıřtayı programını mail ekinde bulabilirsiniz.

alıřtayı kayıt olmak iin ltfen ařağıdaki ařağıdaki baėlantayı kullanın.

Kayıt iin:

<https://www.eventbrite.co.uk/e/data-analytics-and-forecasting-using-r-tickets-53143658112>

Democratising Forecasting Initiative: A series of workshops on data analytics and forecasting using R in developing countries

What is the project about?

A series of workshops in developing economies to promote the importance of forecasting and 'train the trainers' in the form of university students, academics and professionals on the principles of forecasting using R software to support decision making. The workshops are designed for 3 days and are free of charge. The ultimate goal of this project is to train 400 individuals, over 5 years in 20 countries in the world. Countries are selected according to the World Bank Data with focus on countries with lower and lower-middle income.

The workshops are sponsored by International Institute of Forecasters and organised by Dr. Bahman Rostami-Tabar, Cardiff University, UK.

Benefits to the participants and forecasting community

1. Transfer of knowledge and skills on "forecasting" which can be served to make better decisions that may have positive direct impact on their society;
2. Provide an up-to-date training in data analysis and forecasting using R;
3. Create a research network among target countries with a focus on analytics for social good;
4. Participants will receive a certificate delivered by IIF and Cardiff University.

What participants learn in the workshop?

Assuming basic knowledge of statistics and, participants will learn:

- The importance of forecasting and its relation to decision making in public organizations, private sector, governments, Health, Humanitarian Organizations, etc;
- How to prepare, manipulate and visualize data using R;
- The theory behind forecasting models;
- How to produce forecasts and evaluate their accuracy across a range of statistical forecasting models using real-world data;
- How to use R functions and their packages related to forecasting models;
- How to visualize, export and report results for interpretation and insights using RMarkdown.

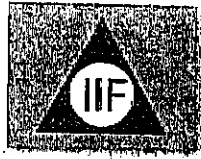
This workshop is for you if you:

- are academic, student and want to expand your knowledge on forecasting using R software;
- are practitioner and want to learn how to analyse, data and produce forecasts to inform decisions.

Prerequisites:

- Basic knowledge in statistics;
- No knowledge of forecasting is assumed;
- No prior knowledge of R is assumed.

Sponsored by:



International Institute of Forecasters

About the Instructor:



Dr. Bahman Rostami-Tabar is an Assistant Professor of Management Science at Cardiff Business School, Cardiff University, UK.

He holds a Ph.D. in Industrial engineering and his research addresses social impacts of forecasting and analytics and forecasting issues in supply chains.

Bahman Rostami-Tabar
Cardiff Business School, Cardiff University, UK
Email Address: rostami-tabarb@cardiff.ac.uk

Guest speakers from organisations:



ICRC



GIG
CYMRU
NHS
WALES



Australian Government
Department of Agriculture
and Water Resources
ABARES

Program

Start: 09:30 a.m.

End: 04:45 p.m.

Refreshment breaks:

- Morning: 11:15 - 11:30
- Afternoon: 03:15 - 03:30 p.m.

Lunch: 01:00 p.m. - 02:00 p.m.

Topics

Priming: Webinar, 2 weeks before the workshop

Day 1

Essentials in R

Reports with RMarkdown

Data preparation

Data manipulation

Data visualisation

Day 2

Forecasting and decision making: Guest lectures

Time series patterns

Forecaster's toolbox: time series graphics, simple forecasting methods, residual diagnostics, accuracy measurement

Day 3

Exponential smoothing models

ARIMA models

Regression

Reference:

Forecasting: Principles and Practice (2018), *Rob J Hyndman and George Athanasopoulos.*

R for Data Science (2018), *Garrett Grolemund and Hadley Wickham.*

Democratising Data Analytics

3 days free workshop

on

Data analytics and Forecasting using R

Webinar: 07 January 2019, 02:30-03:30(UK time)

Workshop: 15-16-17 January 2019

Time: 09:30 - 16:45

University of Ankara, Faculty of Educational Sciences

Coordinator: Dr. Mehmet Ikbal Yetisir

More info: www.bahmanrt.com



International Institute of Forecasters



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