



# Time Series in R: Forecasting and Visualisation

Wrap up

29 May 2017

# Want to know more?

Hyndman & Athanasopoulos (2017)

Forecasting: principles and practice.

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OTexts.org/fpp2/

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# OTexts.org/fpp2/

- Free and online
- Data sets in associated R package
- R code for examples

# Forecasting Using R

Continue Course

Play Trailer











4450 XP



#### **Course Description**

Forecasting involves making predictions about the future, It is required in many situations such as deciding whether to build another power generation plant in the next ten years requires forecasts of future demand; scheduling staff in a call centre next week requires forecasts of call volumes; stocking an inventory requires forecasts of stock requirements. Forecasts can be required several years in advance (for the case of capital investments), or only a few minutes beforehand (for telecommunication routing). Whatever the circumstances or time horizons involved, forecasting is an important aid to effective and efficient planning. This course provides an introduction to time series forecasting using R.



#### Exploring and visualizing time series in R





The first thing to do in any data analysis task is to plot the data. Graphs enable many features of the data to be visualized. including patterns, unusual observations, and changes over time. The features that are seen in plots of the data must then be incorporated, as far as possible, into the forecasting methods to be used.

#### Instructor(s):



Rob J. Hyndman

Rob J. Hyndman is Professor of Statistics at Monash University, Australia, and Editor-in-Chief of the International Journal of Forecasting. Rob is the author of over 150 research papers and books in statistical science. In 2007, he received the Moran medal from the Australian Academy of Science for his contributions to statistical research, especially in the



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#### **PROGRAM NEWS**

Important 2017 Dates:

28 February Proposals for invited sessions 28 February Travel grant applications due

27 March Abstract submission

31 March Abstract acceptance/rejection

3 May Early registration deadline

#### WHAT'S NEW

Plan your social and travel calendar for Cairns! Tours in the region

# 37th International Symposium on Forecasting Cairns, Australia | Cairns Convention Centre 25-28 June 2017

The International Symposium on Forecasting (ISF) is the premier forecasting conference, attracting the world's leading forecasting researchers, practitioners, and students. Through a combination of keynote speaker presentations, academic sessions, workshops, and social programs, the ISF provides many excellent opportunities for networking, learning, and fun.

Registration is open!

Share: 1

# FORESIGHT Winter 2017 Funda 2017

THE INTERNATIONAL JOURNAL OF APPLIED FORECASTING







international journal of forecasting



International Institute of Forecasters

# **Useful resources for forecasters**

### **Organization:**

International Institute of Forecasters.

### **Annual Conference:**

International Symposium on Forecasting, Cairns. June 2017.

### **Journals:**

- International Journal of Forecasting
- Foresight

Links to all of the above at www.forecasters.org

# **Happy forecasting**

Good forecasters are not smarter than everyone else, they merely have their ignorance better organised.