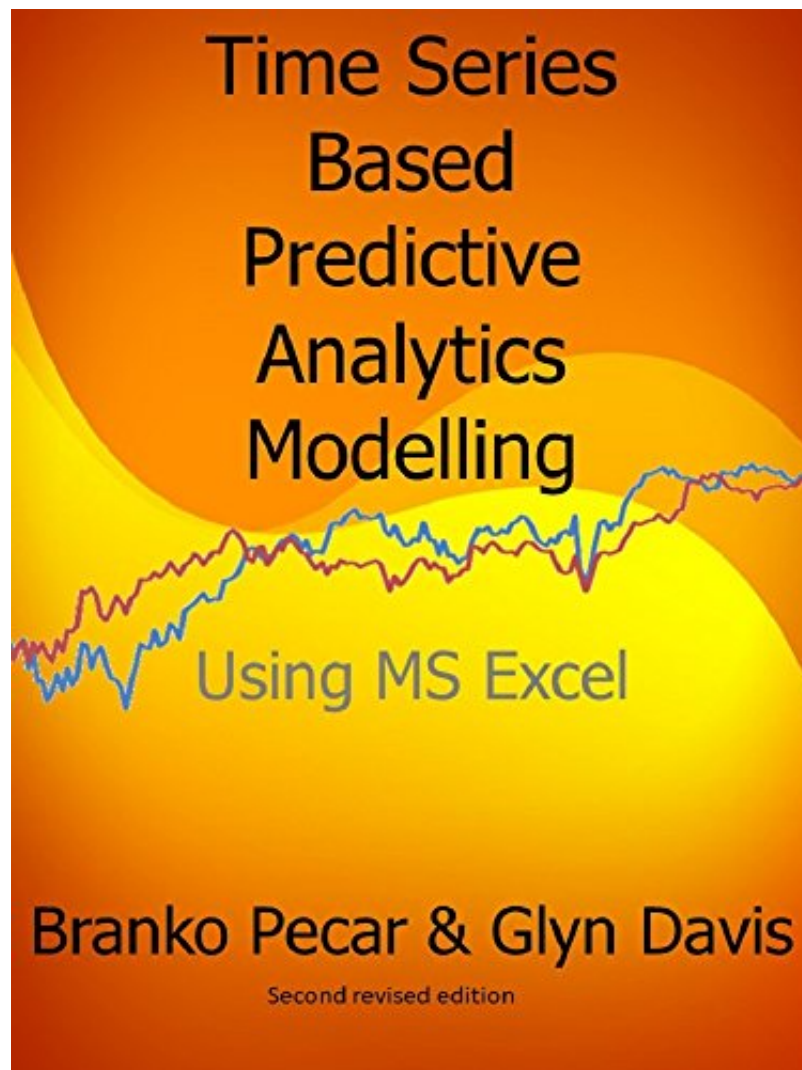


# Time Series Based Predictive Analytics Modelling: Using MS Excel

*by*

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## Synopsis

This book explores the basic predictive analytics modelling techniques and puts emphasis on the time series based approach to forecasting. The methods covered in this book include basic models, such as regression, classical decomposition, exponential smoothing, etc., as well as more advanced approaches such as state-space modellings and Box-Jenkins ARIMA stochastic modelling. In addition, some specialized approaches to forecasting are covered, such as artificial neural networks, fuzzy logic, chaos theories modelling, frequency space approach, forecasting in the supply chain, etc. The unique proposition of this book is that all the models are created using only basic MS Excel functions. The book does not rely on Macros, VBA or proprietary created Excel functions. It uses only the standard Excel functions to create complex models, such as autocorrelations and partial autocorrelations coefficients, ARIMA coefficients and other models. The book also provides insight in some new Excel functions and algorithms, such as innovations state-space modelling. The models covered are grouped into single point forecasting models, medium range methods and the long-term forecasting methods. For every group of models different types of time series are considered, such as stationary vs. non-stationary time series approach and seasonality vs. non-seasonal models. The book also makes a reference to a repository website, where all the Excel models that accompany the book can be downloaded for free.

Simple Predictive Analytics: Using Excel to Solve Business Problems Practical Time Series Forecasting: A Hands-On Guide [3rd Edition] (Practical Analytics) Learn Game Theory: A Primer to Strategic Thinking and Advanced Decision-Making. (Game Theory Series Book 1) Practical Time Series Analysis: Prediction with Statistics and Machine Learning Predictive Analytics: Microsoft® Excel 2016 Central Banking 101 Python (2nd Edition): Learn Python in One Day and Learn It Well. Python for Beginners with Hands-on Project. (Learn Coding Fast with Hands-On Project Book 1) The Yield Curve: What Is It Really Predicting? (Predicting the Markets Topical Study Book 1) Infinite Powers: How Calculus Reveals the Secrets of the Universe Predictive Analytics: Microsoft Excel Learn Calculus Quickly: The Complete Guide To Easily Master Calculus In 100 Solved Equations! The Lean Six Sigma Pocket Toolbook: A Quick Reference Guide to Nearly 100 Tools for Improving Quality and Speed Curve-Fitting: The Science and Art of Approximation More Predictive Analytics: Microsoft Excel

## What people say about this book

Belizza Ruiz, "Excelente. Buen libro"

The book by Branko Pecar has a rating of 5 out of 5.0. 2 people have provided feedback.

Cover Beginning

## **Book Information**

Language: English

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Screen Reader: Supported

Enhanced typesetting: Not Enabled

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Simultaneous device usage: Up to 4 simultaneous devices, per publisher limits

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