

TIME SERIES ANALYSIS AND TRENDS BY USING SPSS PROGRAMME

RADMILA KOCURKOVÁ

Silesian University in Opava

School of Business Administration in Karviná

Department of Mathematical Methods in Economics

Czech Republic

Tel.: + 420 69 63 98 283

Fax: + 420 69 63 12 069

e-mail: kocurkova@opf.slu.cz

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Introduction

In my lecture I would like to tell you something about the time series, respectively about trends in the number of job applicants registered by labour offices in the Czech Republic. On the basis of results I will forecast the number of job applicants registered by labour offices till December 2000. My data was taken from statistic source: Ministry of Labour and Social Affairs.

At our university I teach the course Time Series Analysis for the students of system engineering and information specialisation. The main aim of this subject is: investigation of the regular course of time series; deviation investigation of expected regularity; prediction of the future time series; regular determination of the convenient control directions for influence of time series.

During the lessons I usually use MS Excel and statistic programme SPSS (Statistical Package for the Social Sciences). SPSS makes some operations with the time series possible in the basic module – Base; for deeper analysis it is necessary to join module *Trends*. For SPSS programme is the time series normal data file and it is presupposed that one row of the date nut contains the observation in one time and the rows ground in the way, that the oldest observation is the first, the youngest observation is the last row of the nut.

Time series analysis

Firstly, we have to describe the trend of time series of the applicants registered by labour office in the Czech Republic.

From the Graph 1 we can say that January 1997 the number of job applicants grows much more than in the previous years. This time series is not stationary (which can be deleted by the seasonal difference of the time series).

Time Series Analysis And Trends By Using Spss Programme

Barbara G. Tabachnick, Linda S. Fidell

Time Series Analysis And Trends By Using Spss Programme:

Advanced Diagnostics and Treatment of Neuro-Ophthalmic Disorders Albert Victor Van Den Berg, Krystel R. Huxlin, Lauren Ayton, Jeroen Goossens, Koen V. Haak, Holly Bridge, 2022-06-14 [Using Multivariate Statistics](#) Barbara Tabachnick, Barbara G. Tabachnick, Linda S. Fidell, 2013-07-23 A Practical Approach to using Multivariate Analyses The new edition provides advanced undergraduate as well as graduate students with a timely and comprehensive introduction to today's most commonly encountered statistical and multivariate techniques while assuming only a limited knowledge of higher level mathematics **KEY TOPIC** Provides hands on guidelines for conducting numerous types of multivariate statistical analyses Maintains a practical approach still focusing on the benefits and limitations of applications of a technique to a data set when why and how to do it **MARKET** For advanced undergraduate as well as graduate students studying statistics and social statistics *Transportation Systems and Engineering: Concepts, Methodologies, Tools, and Applications* Management Association, Information Resources, 2015-06-30 From driverless cars to vehicular networks recent technological advances are being employed to increase road safety and improve driver satisfaction As with any newly developed technology researchers must take care to address all concerns limitations and dangers before widespread public adoption *Transportation Systems and Engineering Concepts Methodologies Tools and Applications* addresses current trends in transportation technologies such as smart cars green technologies and infrastructure development This multivolume book is a critical reference source for engineers computer scientists transportation authorities students and practitioners in the field of transportation systems management *Using Multivariate Statistics* Barbara G. Tabachnick, Linda S. Fidell, 2001 Eager to learn everything she can about her new abilities as an Immortal Ever turns to her beloved Damen to show her the way But just as her powers are increasing Damen's are waning In an attempt to save him Ever travels to the magical dimension of Summerland where she learns the secrets of Damen's tortured past a past which he has always kept hidden from her But in her quest to cure Damen Ever discovers an ancient text that details the workings of time Now Ever must choose between turning back the past and saving her family from the accident that claimed their lives or staying in the present and saving Damen who grows sicker every day [InfoWorld](#) , 1994-08-22 InfoWorld is targeted to Senior IT professionals Content is segmented into Channels and Topic Centers InfoWorld also celebrates people companies and projects **Hematopoietic Stem Cell Transplantation in Clinical Practice** Jennifer G. Treleaven, A. John Barrett, 2008-09-02 A guide to the practice of stem cell transplantation its status in the treatment of various disorders and the problems that arise after transplantation aimed at the whole transplant team An up to date guide to best practice in the use of stem cell transplantation covering current status in the treatment of malignant and non malignant conditions practical aspects and problems such as infection and graft versus host disease Has a practical accessible approach with free use of algorithms list tables Aimed at the whole transplant team this is an interdisciplinary field International contributor team with editors in the UK and USA Illustrated in colour

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