OPPONENT´S REVIEW OF MASTER'S THESIS

Name of student: Aydin Halil

Thesis title: Analysis of Time Series Data Available in Official Statistics

Reviewer : doc. RNDr. Pavel Pražák, Ph.D.

Thesis objective: Study and analyse selected indicators available in public statistical data collected in time series. Specify hypotheses about their potentials to describe and compare development of selected indicators in different countries.

Criteria required for evaluation	Evaluation scale (grade)					
	A	**B**	**C**	**D**	**E**	**F**
Content relevant to the field of study	☒	☐	☐	☐	☐	☐
Setting and meeting objectives	☐	☐	☒	☐	☐	☐
Treating theoretical aspects of the topic	☐	☐	☒	☐	☐	☐
Treating practical aspects of the topic	☐	☒	☐	☐	☐	☐
Adequacy of applied methods and their use	☐	☒	☐	☐	☐	☐
Depth and accuracy of implemented analysis	☐	☐	☒	☐	☐	☐
Dealing with literature sources	☐	☐	☒	☐	☐	☐
Logical structure and composition of the thesis	☐	☒	☐	☐	☐	☐
Language and terminology	☐	☐	☒	☐	☐	☐
Formal layout	☐	☐	☒	☐	☐	☐
Student´s contribution	☐	☒	☐	☐	☐	☐
Practical applicability of results	☐	☒	☐	☐	☐	☐

Comments to results of anti-plagiarism check:
It was checked by the system eVKSP with no important similarity with other sources.

Comments and recommendations:
- Author used Wikipedia many times as a reference (it is an anonymous source of information and cannot be recommended as a relevant reference).
- The text introduces different indexes – some of them were used in practical part of the thesis (e.g. simple index number) but some of them were not used. It seems to be useless to deal with Paasche Index or Laspeyers index (p. 27 and 28) if they are not used in computations.
- Linear models of GDP were introduced on p. 64, which means that it would be valuable to introduce essential general notes about linear regression model and basic tests about it in theoretical part of thesis.

- There are several mistakes in the text, e.g. on p. 55 (two same sentences), on p. 56 (Fugure 23 has prepared ...), some of other are marked in text.
- It would be useful to have CD with data that was used for computations.

Overall assessment and reasons for the final grade:
The main merit of the present master thesis is that author found, collected and analysed selected time series from Association of Turkish Travel Agency, Turkish Statistical Institute, Czech Statistical office and the World Bank. In chapter 2 there are 4 research questions introduced. All of them were successively answered. First a short history of statistical inquires in Turkey and the Czech Repuplic was introduced. Then a theoretical concepts about indexes and time series were described. Practical part of thesis deals with time development of tourist population in Turkey and time developmet of GDP in Turkey and the Czech Republic.

I consider that the most interesting findings are related to development of Turkey tourism within the period 2012 to 2016. It was found that there is a positive trend of tourist population in Turkey but it was also recognised that the tourist population have declined considerably in 2016. A seasonal model with seasonal indexes was introduced as well. Author also compared GDP of Turkey and the Czech Republic. He computed simple index numbers for time period 2006 and 2016. Finally a linear model of the trend for both contries was introduced. Unfortunately the latter computation is not carried out in details and also the test of the model is not presented in desirable and common style.

Questions for oral defence:
Why did you select period 2012 – 2016 and 2006 – 2016? The period 2006 – 2016 contains a world economic crisis that could significantly modify models of GDP. How did you cope with this problem?

I recommend the thesis for oral defence.

Suggested final grade: C

Hradec Králové, 24/05/2018

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