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Methods of Regional Analysis

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Course aims

- ▶ *To provide knowledge about the various methods for quantitative analysis in the EU and regional development;*
- ▶ *To improve student's skills of implementing methods and software for quantitative analysis and prediction;*
- ▶ *To equip the students with methodological skills for regional analysis in area of regional demography, sociology, economics etc..*

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Main Subjects

- ▶ Information and models
- ▶ Data collection
- ▶ Survey and design of questionnaires
- ▶ Using diagrams to present data
- ▶ Statistical method in regional analysis
- ▶ Frequency distribution

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Exercises

- ▶ Using Internet to collect data
- ▶ Calculating with Excel
- ▶ Using **Cloud Computing** to create e- questionnaire
- ▶ Importing data in spreadsheet
- ▶ Information transformation
- ▶ Creating diagrams to present quantitative information
- ▶ Making projections in regional analysis
- ▶ Using statistical software

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Course Work

- ▶ *Choose a problem/ topic for individual coursework; 18.11.2017*

Task 1. Create an Introduction

- ▶ Define Hypothesis
- ▶ Define Object of the research
- ▶ Define Subject of the research
- ▶ Define the Goal
- ▶ Define the Tasks

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Task 2 - Literature Review

1. *Decide the structure of the needed information;*
2. *Collect available information/ publications from Internet, books, journals, articles, ...;*
3. *Summarize the gathered information;*
4. *Analyze the information and make preliminary conclusions. 21.12.2017*

5-8 pages

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Task 3 - Field Research

1. Design a questionnaire (min 10 questions)
2. Create e-questionnaire in Google Drive.
21.1.2018
3. Pilot test of the questionnaire
4. Refine the questionnaire
5. Organize the collection of answers -(min 30 respondents) - by e-mail, social networks.
6. *Summarize of the respons by Google Drive or Excel (tables, diagrams);*
7. cw *Analyze of the results.*

Task 4 - Summary Results and Conclusions

1. Compare/combine the literature review and results (task 2) with field research results (task 3).
2. Analyze the results
3. Accept/ reject hypotheses
4. Create conclusions
5. Bibliography list
6. Table of content

Report Structure

I. Introduction

- Topicality
- Hypothesis
- Object and subject of the research
- Goal and tasks

II. Literature Review

- Review of the sources
- Analysis and preliminary conclusions

III. Field Research

- Methodology - Questionnaire
- Analysis and evaluation of the results

IV. Summary and Conclusions

- Summary of the results
- Accept/reject the hypothesis
- Conclusions and recommendations

Bibliography

- List of references

Table of content

Suggested topics

- ▶ Population in Ruse (Bulgaria, ...) region - facts, factors of changing, trend
- ▶ Migration of the region
- ▶ Structural changes of the population - sex, age, religion
- ▶ Economical changes
- ▶ Population health
- ▶ Education and training in two regions
- ▶ Labor market in the region
- ▶ The Roma Unemployment in Bulgaria
- ▶ Migration from the Middle East to ...

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Suggested topics

- ▶ Living conditions and welfare
- ▶ Information society
- ▶ Internet using in ...
- ▶ Tourism in the region ...
- ▶ Crime and criminal justice in ...
- ▶ GDP in last decade
- ▶ Economic crisis
- ▶ Financial crisis

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Requirements of the Report

- ▶ Total size: **10-15 pages**
- ▶ Font: **Times New Roman 12**
- ▶ Questionnaire: **min 10 questions**
- ▶ Field Research: **min 30 respondents**
- ▶ Style of Citation: **APA Fifth edition**
- ▶ **Table of content**

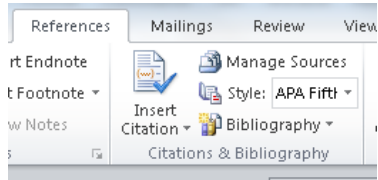
Send the final report to alexppetkov@gmail.com
before **14.2.2018**

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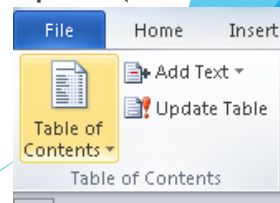
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Requirements of the Report

- ▶ Use APA Fifth edition style of the sources **citation**



- ▶ Create a Bibliography list at the end of the report.
- ▶ Create Table of content of the report (see the Sample from the Web site).



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