

Computer-Based Data Analysis - SPSS - course description

General information	
Course name	Computer-Based Data Analysis - SPSS
Course ID	14.2-WP-SOC-SPSS
Faculty	Faculty of Social Sciences
Field of study	WNS - oferta ERASMUS / Sociology
Education profile	-
Level of studies	Second-cycle Erasmus programme
Beginning semester	winter term 2019/2020
Head faculty	Faculty of Social Sciences

Course information	
ECTS credits to win	5
Course type	obligatory
Teaching language	english
Author of syllabus	<ul style="list-style-type: none">dr hab. Dorota Szaban, prof. UZdr Elżbieta Kołodziejaska

Classes forms					
The class form	Hours per semester (full-time)	Hours per week (full-time)	Hours per semester (part-time)	Hours per week (part-time)	Form of assignment
Class	30	2	-	-	Credit with grade

Aim of the course

To familiarize students with: using computer and software application in social research, data computation; analyzing and interpretation the result of an empirical study

Prerequisites

Completed statistical methods course

Scope

- Introduction to quantity research*: questionnaire preparation; SPSS capabilities.
- Data collecting*: start with SPSS - statistical and data management package for analysts and researchers; data input, coding, sampling error.
- Base data analyze*: frequencies, descriptive statistics: average, arithmetic mean, mean deviation.
- Raw score conversion*: recoding, labeling, data reduction.
- Variable relation testing*: cross tabulation, test of significance, significance level, sampling distribution of χ^2 , t test for independent samples.

Teaching methods

Academically supervised student-governed problem oriented project work.

Multimedia learning process – using Power Point presentations.

Computer workshop.

Learning outcomes and methods of theirs verification

Outcome description	Outcome symbols	Methods of verification	The class form
Students understands the need of using computer-based data analysis. Students can use IBM SPSS Statistics application to manage with survey data they collect. Students have ability to use basic statistical measures to solve sociological problem.		<ul style="list-style-type: none">Individual assessment based on active participation during the course. Written examination in form of a test. The assessment is performed in accordance with the point grading scale.	<ul style="list-style-type: none">Class

Assignment conditions

Individual assessment based on active participation during the course.

Written examination in form of a test. The assessment is performed in accordance with the point grading scale.

Recommended reading

- E. Babbie, Basic of the social research. Chapman University, Wadsworth 2009.
- Pavkov T. W., Pierce K. A. (2005) Ready, set go! A guide to SPSS for Windows. (10th Ed.). Boston: McGraw-Hill Publishing 2009.

Further reading

Materials and tasks prepared and given by a director of studies.

Notes

Students get the newest version of IBM SPSS Statistic application every academic year.

*The subject can be run every semester, in case there is not enough persons to make a group there will be individual class run during instructor hours.

Modified by dr Jarosław Wagner (last modification: 27-04-2019 17:00)

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