

ERASMUS

SOCIOLOGY

1	Name of the course	Data Analysis using IBM SPSS
2	Name and surname of the lecturer, title / academic degree	Paweł Rydzewski, prof.
3	Language	English
4	Strona WWW	
5	Semestr	Winter and summer
6	ECTS and number of hours	Hours with the participation of an academic lecturer: Lecture 30h, 5 ECTS Consultations 5h Total number of hours with the participation of an academic lectures 35h Number of ECTS credits with the participation of an academic lecturer 2 Non-contact hours (student's own work): Studying literature 50h Preparation to the exam 25h Total number of non-contact hours 75h Number of ECTS points for non-contact hours 3 Total number of ECTS points 5
7	Prerequisites	English B2
8	Description of the course	During the classes, students will learn about the methods of data analysis using the IBM SPSS program (the most popular program for data analysis, used not only in social sciences, but also in business). They learn these methods not only theoretically, but also have the opportunity to perform analyzes on their own, using data sets such as World Survey Values, International Social Survey Program modules, etc. Therefore, they have the opportunity not only to learn the methods of analysis, but also to know the results of international research in selected aspects. They learn the basics of univariate, bivariate and multivariate analysis and some aspects of data transformations. The course is designed in such a way that it allows the participation of students even without statistical background.

9	Topics	1. Basics of working with IBM SPSS 2. Creating IBM SPSS databases; work with ready-made databases 3. Export of IBM SPSS results in textual and graphical form 4. Transforming and recoding data 5. Creating new variables; reliability measures 6. Univariate analyses (variable descriptions, exploration, extreme values) 7. Bivariate analyses (contingency tables, correlations, ANOVA) 8. Multivariate analyses (multiple response tables, multiple regression models, categorical regression, multivariable classifications)
10	Literature	• Denis D. J., SPSS Data Analysis for Univariate, Bivariate, and Multivariate Statistics, 2019, Wiley • Elliott A. C., W. A. Woodward, IBM SPSS by Example. A Practical Guide to Statistical Data Analysis, 2016, SAGE • Ho R., Handbook of Univariate and Multivariate Data Analysis with IBM SPSS, 2014, Taylor & Francis • Jensen P., Your Life in Numbers: Modeling Society Through Data, 2021, Springer • Meyers L.S., G.C. Gamst, A. J. Guarino, Performing Data Analysis Using IBM SPSS, 2013, Wiley • Pardo S., Statistical Analysis of Empirical Data. Methods for Applied Sciences, 2020, Springer
11	Learning outcomes	Knows and understands at an advanced level selected facts, objects and phenomena in the field of sociological subdisciplines as well as other detailed social issues (K_W02) P6U_W P6S_WG Student can use his/her sociological knowledge in predictable conditions and in conditions requiring non-standard solutions (K_U01) P6U_U P6S_UW Can discuss social issues and critically evaluate the positions of other debaters (K_U06) P6U_U P6S_UK
12	Method of verification of learning outcomes (separately for each effect)	K_W02: discussions based on analyses K_U01: discussions based on analyses K_U06: discussions based on analyses
13	Teaching methods	Presentation, discussion
14	1. Assessment methods 2. Assessment criteria	1. Attendance, activity in discussions and analyses 2. Making analyses