



Exercise 7

Social Inequality

Deadline: Please upload your assignment by Tuesday (March 19, 5 p.m.). Upload one file only (.pdf). Include the R-code into the Appendix. Do not forget to cite the data. Further, integrate at least one reading into your discussion (see moodle). Use APA-style when you cite the reading(s). Label all figures and tables.

Preparation: The main task is to study intimate partner violence (IPV) from an intersectional perspective. Download the DHS-data from a country of your choice from moodle (Peru, Afghanistan, South Africa, Pakistan, or Turkey). Construct your key variables of interest. This is IPV and two suitable categorical variables (e.g., level of education, age at first childbirth). For those who conduct the optional part of the exercise (see below): Construct at least one further variable that will be used as a control (e.g., age). Delete all missing values on your key variables of interest (listwise deletion). Please carefully check your original and final sample size.

Exercise 7.1

The outcome variable is the experience of partner violence (IPV). How large is the share of women who report having experienced IPV? Present the proportions in a suitable table and in a suitable figure.

Exercise 7.2

Select two suitable variables which could help to identify particularly marginalized groups (such as class and ethnicity). Group the variables into meaningful categories.

- Plot the experience of IPV by VAR1 and then IPV by VAR2. Describe the patterns.
- Plot the experience of IPV by VAR1 and VAR2. Describe the patterns.

Exercise 7.3

In what way do your results support the relevance of the 'intersectional approach'? Where do you see a limitation? [250 words]

Exercise 7.4 (optional)

- Estimate a logit model with DEP as dependent variable. Control for VAR1, VAR2 plus one additional control. Report the model results in terms of Odds Ratios. Interpret the results.
- Estimate a logit model with DEP as dependent variable. Control for VAR1 in interaction with VAR2 plus one additional control. Estimate the predicted values (average margins) from the interaction and visualize them in a figure. Interpret the results.

Variable name	Label	Levels	Type	Original variable
DEP	Experienced severe violence	0 [no] 1 [yes]	Numeric	d107
AGE	Age categorized	TBD	Factor	v012
EDU	Education categorized	TBD	Factor	v106, v107, v133, v155
REGION	Region	TBD	Factor	v024, v101
ETHNICITY	Ethnicity	TBD	Factor	v131
POVERTY	Poverty measures	TBD	Factor	v116, v119
AGEKID	Age at first childbirth	TBD	Factor	v212
RELIGION	Religion	TBD	Factor	v130