**Syntax and Exercises for SILC longitudinal data**

Thursday 14.00-18.00, Exercise session 1

14.00-15.30 Preparing and merging data (start.do and merge.do)

Explain start.do and merge.do

1. Merge HH data
2. Merge person data
3. Merge household and person data

Exercise 1: Examine marital status, employment status by degree of urbanization

1. aggregating person data to household level

Exercise 2: Determine household size

Exercise 3: Youngest child in household

Exercise 4: Number of unemployed household members

15.30-16.00 break

16.00-16.45 Numbering person and household years (create\_person\_years.do)

Explain syntax for creating person-year variable

Exercise 5: Adapt syntax to create household-year variables

Exercise 6: Analyse ability to make ends meet by household years

16.45-17.30 Telling stata data that you have panel format (xtset.do)

After explaining xtset, xtdes, xttrans and lag operator for person level:

Exercise 7: Create xtset for households and analyse transitions between different levels of economic problems (HS120 Make ends meet; recode HS120 into 3 categories)

17.30-18.00 Questions and Answers

Friday 8.30-11.30, Exercise session 2

8.30-9.00 Create poverty indicator (create\_poverty\_indicator.do)

Exercise 8: Look at transitions into and out of poverty/subpopulation

9.00-9.30 Using information from previous years (using\_data\_from\_previous\_years.do)

Exercise 9: Determine the change in the marital status and status in employment status across years

Exercise 10: a) Determine the difference between the equivalized income observed at first and last interview

b) In how many households did income decrease in how many did it increase?

9.30-10.00 break

10.00-10.30 Reshaping data from long to wide (reshape\_wide.do)

10.30-11.00 Panel regression (xtreg.do)

11.00-11.30 Questions & Answers