

Exercise 3

15:15-16:45 (Thu.) 04 Feb, 2021

Hi all,

This exercise 3 follows the lecture **Tables & interpreting results**. With the Stockholm Public Health Cohort data, you will practice making your own tables and try to interpret the results. You might need to recall some basic epidemiology terms (which is extremely good! You are trained to become epidemiologists.) and components for illustrating risk.

Part 1: Tables

Please open the codebook SPHC_variable_list.xls.

1. Create a new do file. (Hint: type `doedit` in the command.)
2. Make a dummy table in word document entitled "Association between diabetes and sex" for further use. (ref. Tables: Basics of making tables)
3. Make a two-by-two table for sex and living alone? Among those who lived alone, what was the distribution of sex? (ref. Tables: Two by two tables)
4. Make a chi-square test for the table above. What is the interpretation of the results? (ref. same as above)
5. Make two-by-two tables for employment and living alone, stratified by sex. What is the interpretation of the results? (ref. same as above)
6. Calculate risk ratio/difference for sex (exposure) and diabetes (outcome). How to interpret? (Calculate ratios using Stata: Risk ratio)
7. Do the same for odds ratio. How to interpret? (Calculate ratios using Stata: Odds ratio)
8. Please go back to the dummy table you made in **item 2**. And fill in the statistics.

Part 2: Homework

1. Try to make some graphs according to your research question(s). Bring them to our next session.
2. Be aware of dehumanising language use. Check your text with the principles in Leopold et al.'s article[1]

References

- [1] Leopold SS, Beadling L, Gebhardt MC, Gioe TJ, Potter BK, Rinnac CM, Wongworawat MD. Editorial: Words hurt – avoiding dehumanizing language in orthopaedic research and practice. *Clinical Orthopaedics and Related Research* 2014;**472**:2561–2563.