Project 1: Data Analysis Project

Jeppe Druedahl

March 11, 2019

Vision: Programming is more than writing code. The ultimate goal of the projects in this course is that you learn to formulate a programming problem of your own choice, and find your own way to solve it, and present the results. The bullets below are minimum requirements, but otherwise it is very much up to you, what you will like to do with your project. I hope to see some creative ideas!

- **Objectives:** In your data analysis project, you should show that you can:
  1. Apply data cleaning and data structuring methods
  2. Apply data analysis methods
  3. Structure a code project
  4. Document code
  5. Present results in text form and in figures
- **Content:** In your data analysis project, you should at a minimum:
  1. Import data from an online source
  2. Present the data visually (and perhaps interactively)
  3. Apply some method(s) from descriptive economics (»samfundsbeskrivelse«)
- **Structure:** Your data analysis project should consist of:
  1. A single self-contained notebook presenting the analysis
  2. Fully documented Python files
  3. A README.md with a short introduction to your project
- **Hand-in:** On GitHub by uploading it to the folder:

  github.com/projects-2019-YOURGROUPNAME/dataproject/
- **Deadline:** 5th of April 23.59
- **Supervision:** In the week starting 25th of March there will be no teaching. The lecturer and the teaching assistants will instead be available for answering questions both online and in class.
- **Peer feedback:** After handing in, you will be asked to give peer-feedback on the projects of two other groups.
- **Exam:** Your data analysis project will be a part of your exam portfolio. You are free to incorporate the peer-feedback and other comments before handing in the final version.