Readme R-files

Overview of R-files

1. *consistency_ distr_ plot.R*
2. *density_ estimate_ plot.R*
3. *manipulation_ test.R*
4. *poverty_ index_ score_ distribution.R*
5. *poverty_ index_ score_ gap_ estimate.R*
6. *power_ function.R*
7. *QQplots_ sample_ sizes.R*
8. *QQplots_ undersmoothing.R*
9. *simulate_ test_ size.R*
10. *simulation_ functions.R*

Script dependencies

Note that for error-free execution of code the underlying project structure needs to be followed. That is, the respective folder structure needs to be mirrored on the local machine. The dataset needs to be placed in the folder ./data/ on the same directory level as the ./code/ folder.

1. *consistency_ distr_ plot.R* depends on *simulation_ functions.R* and *manipulation_ test.R* and returns Figure D.5.
2. *density_ estimate_ plot.R* depends on *simulation_ functions.R* and *manipulation_ test.R* and returns Figure D.1.
3. *manipulation_ test.R* implements McCrary's test for continuous and discrete running variables.
4. *poverty_ index_ score_ distribution.R* depends on sisben_aejep.dta and returns histograms of poverty index score for years 1994-2003 shown in Figures 5.1 and E.1.

5. *poverty_index_score_gap_estimate.R* depends on sisben_aejep.dta and returns data depicted in Table 5.1.

6. *power_function.R* depends on *simulation_functions.R* and returns Figures 4.1 and D.2.

7. *QQplots_sample_sizes.R* depends on *simulation_functions.R* and *manipulation_test.R* and returns Figures 4.2 and D.3.

8. *QQplots_sample_undersmoothing.R* depends on *simulation_functions.R* and *manipulation_test.R* and returns Figures D.4.

9. *simulate_test_size.R* depends on *simulation_functions.R* and *manipulation_test.R* and returns size data for Table D.1.

10. *simulation_functions.R* forms the basis for our simulation study. In particular, the data generating process is implemented.