Manual (Replication Data for: "Linking theory and empirics: a general framework to model opinion formation processes")

This dataset includes the following files:

1. main_data.csv - the data from the Ref. (Kozitsin, 2021).
2. Model.py – Python library that includes modules for simulations.
3. Python code to perform the analysis of conducted experiments:
    a. Code (Part 1 - Prepare transition matrices).ipynb
    b. Code (Part 2 - Stability analysis of mean-field predictions).ipynb
    c. Code (Part 3 - Model 1).ipynb
    d. Code (Part 4 - Noise in estimated transition matrices).ipynb
    e. Code (Part 5 - Model 2).ipynb
4. Code to conduct experiments:
    a. Code (Part 6 - simulations m=2).ipynb
    b. Code(Part 7 - simulations m=3).ipynb
    c. Code(Part 8 - simulations m=10).ipynb

These files allow to replicate the results presented in the paper.

However, if one needs to inspect the experiments performed by the author of the article, then they should write their request on kozitsin.ivan@mail.ru – due to technical reasons (apparently, the records of experiments take too much space), I failed to upload corresponding files on Harvard Dataverse

Literature

Kozitsin, I. V. (2021). Opinion dynamics of online social network users: A micro-level analysis. *The Journal of Mathematical Sociology*. https://doi.org/10.1080/0022250X.2021.1956917