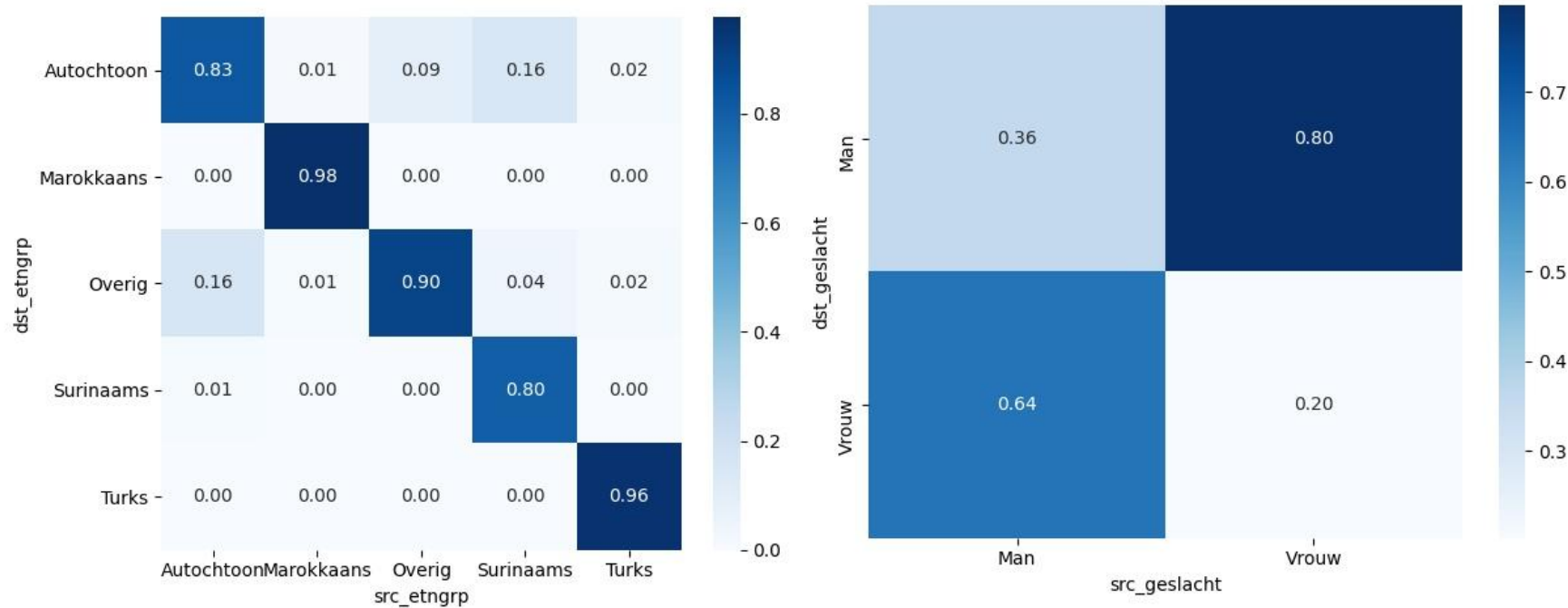


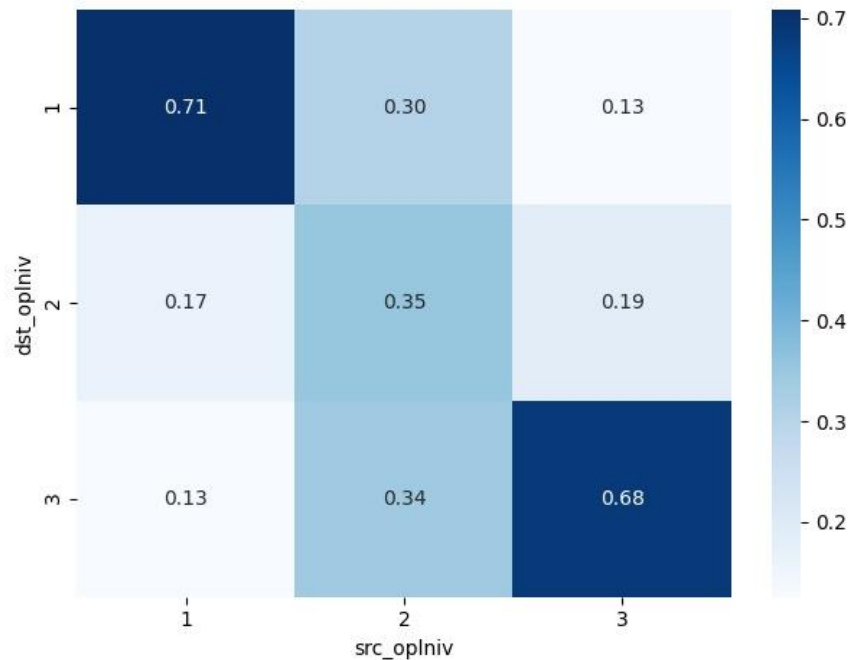
Done this week

- Made heatmaps for homophily + statistics (welch's t-test)
- SOAM
 - Measurements, implementation, possible problems
- Made a small first implementation of a network
 - To have a better understanding of how it can be implemented
 - To look if I need some extra data

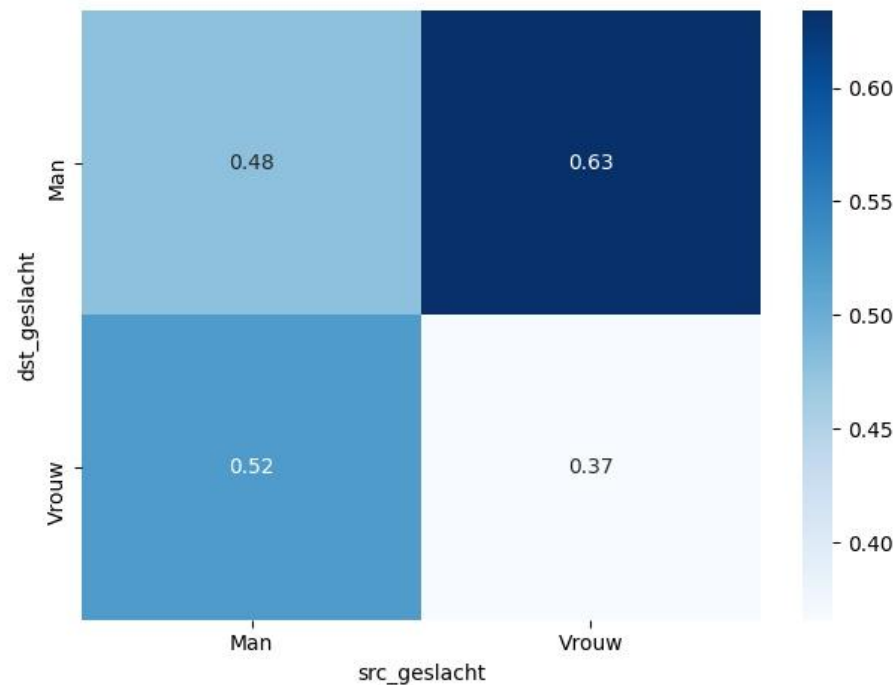
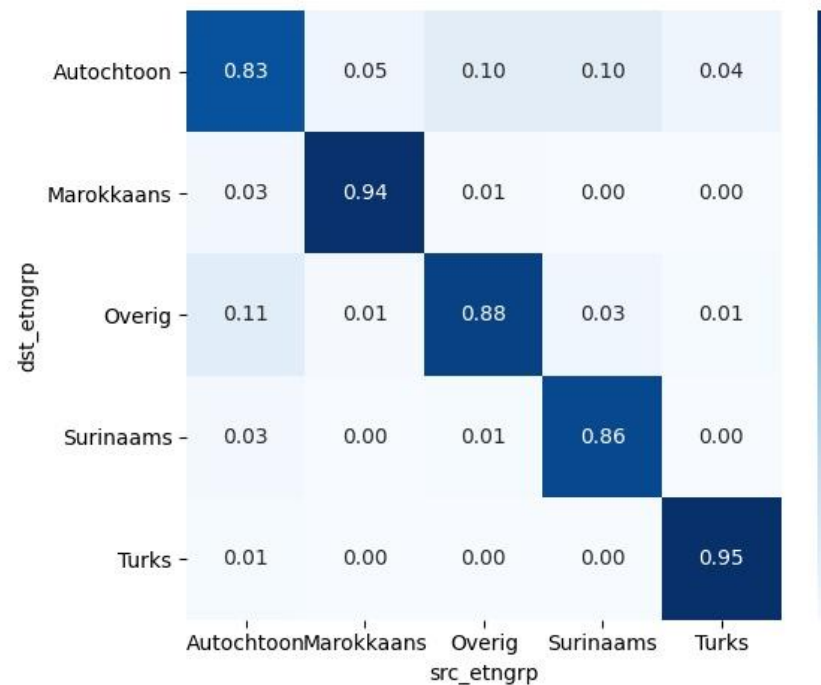
Household



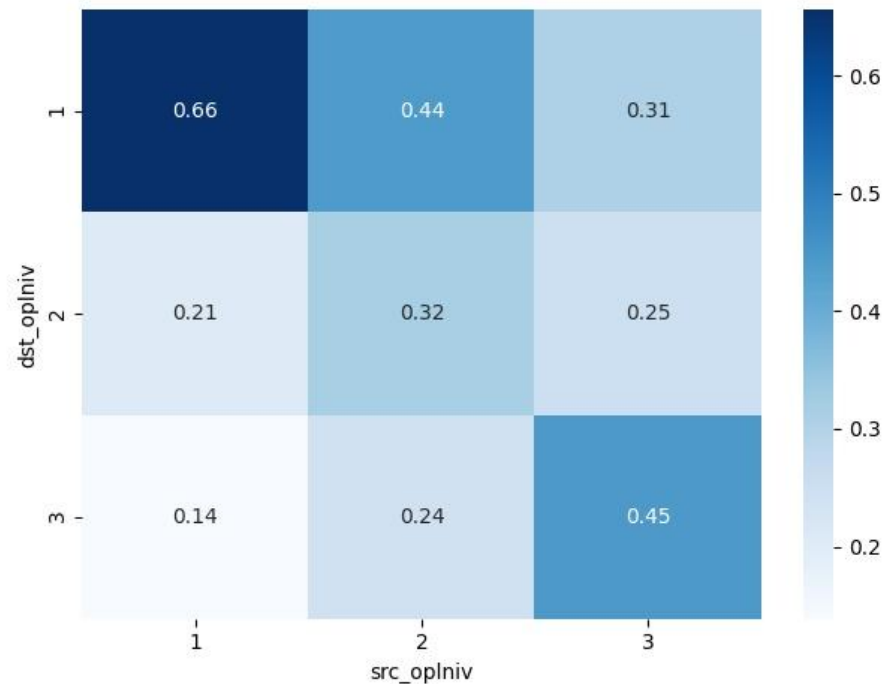
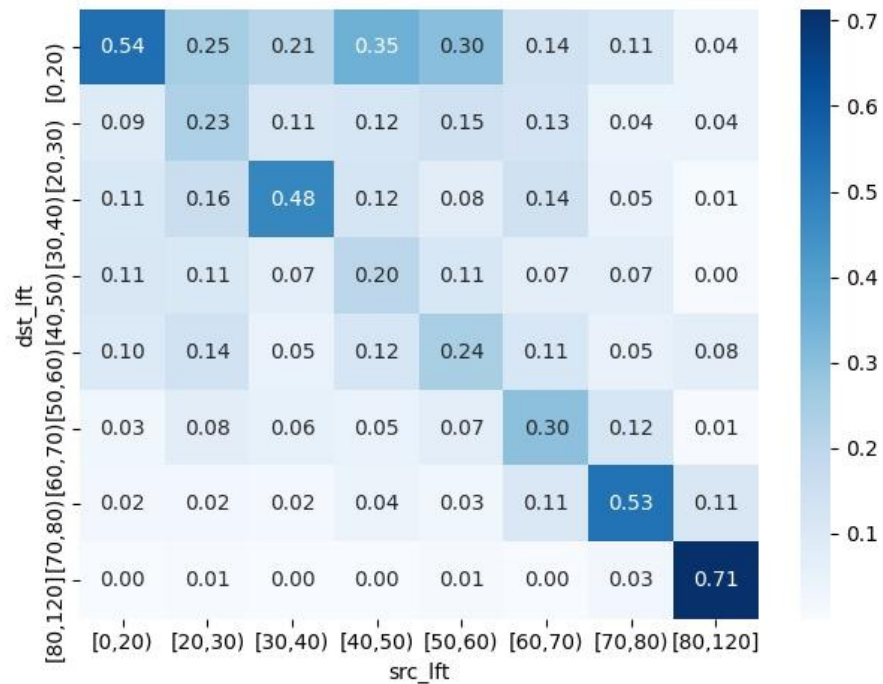
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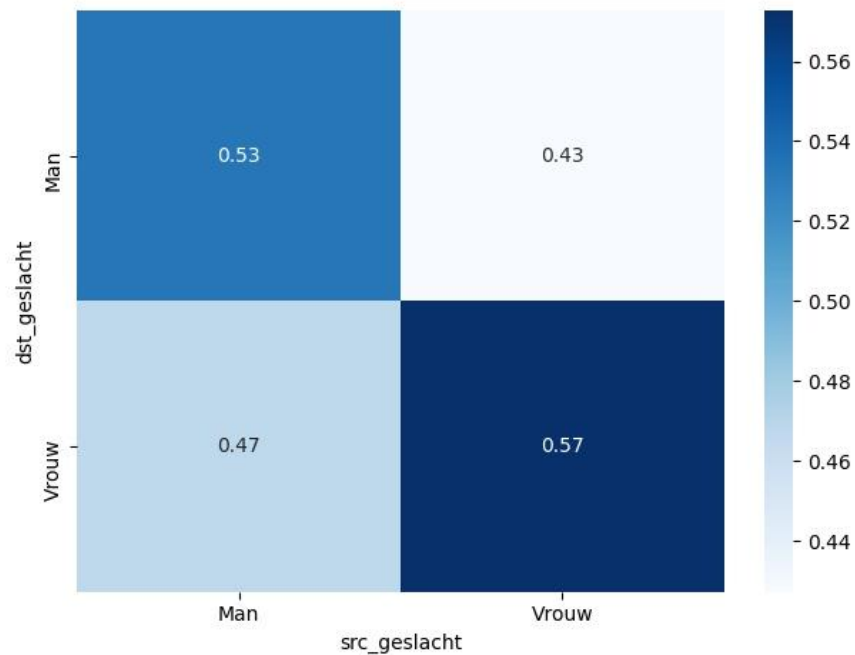
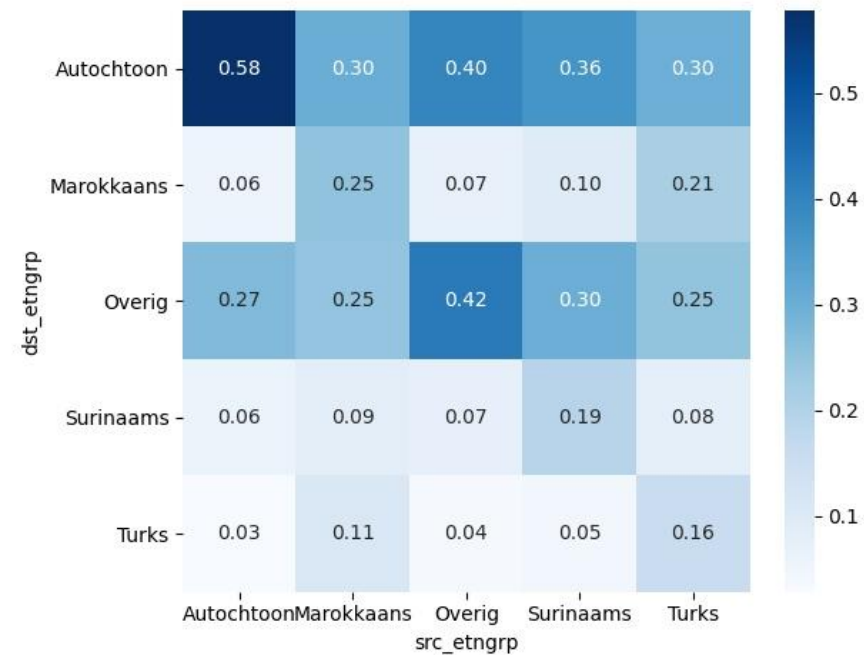
Family



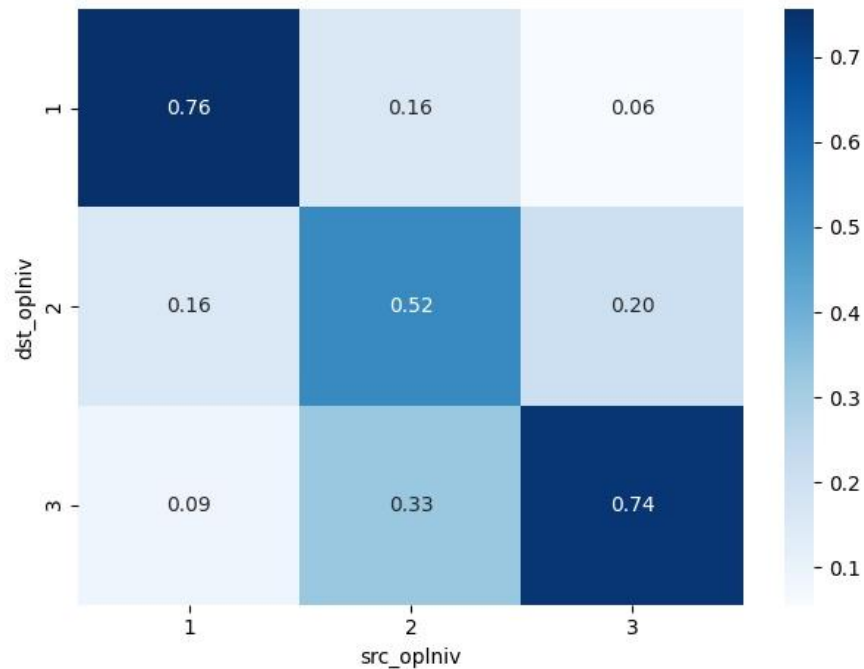
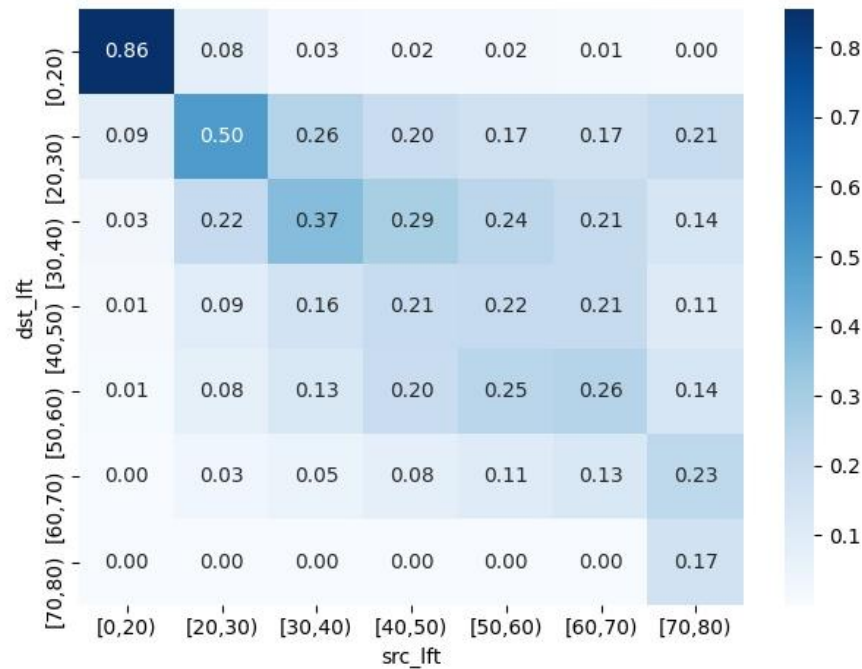
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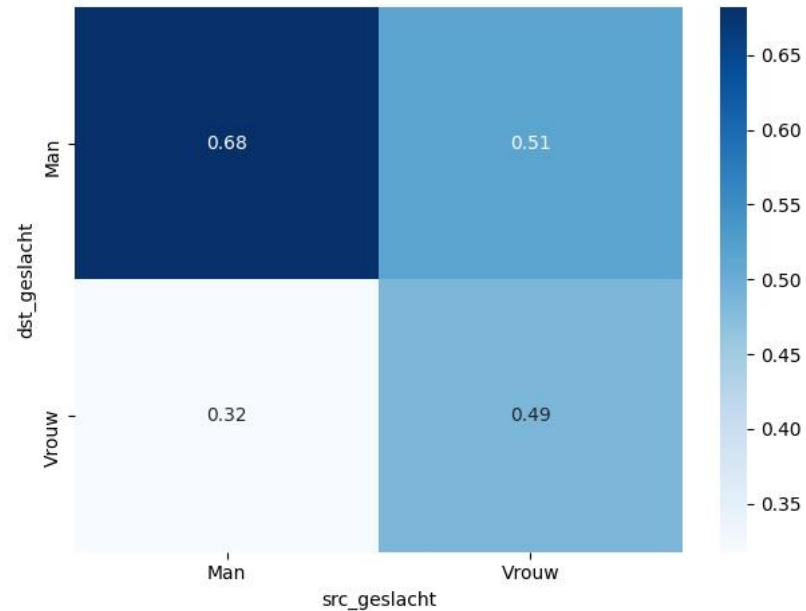
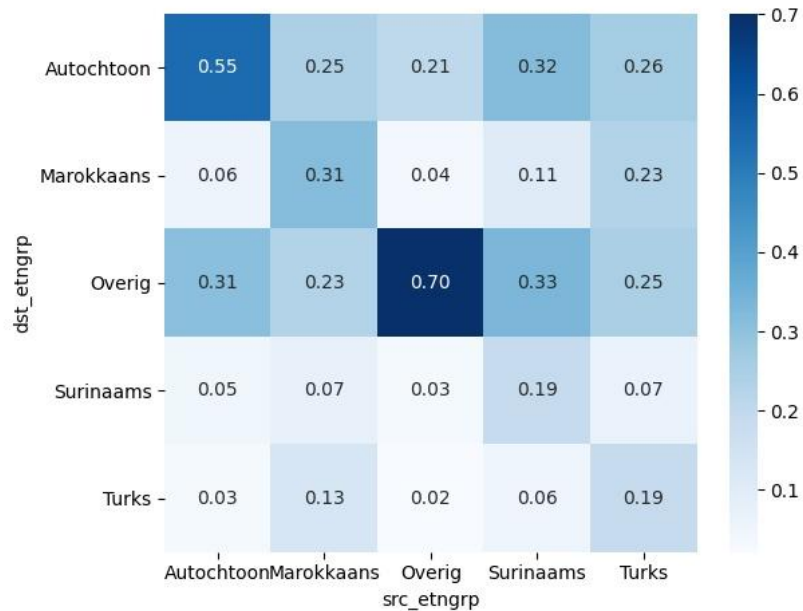
Work/School



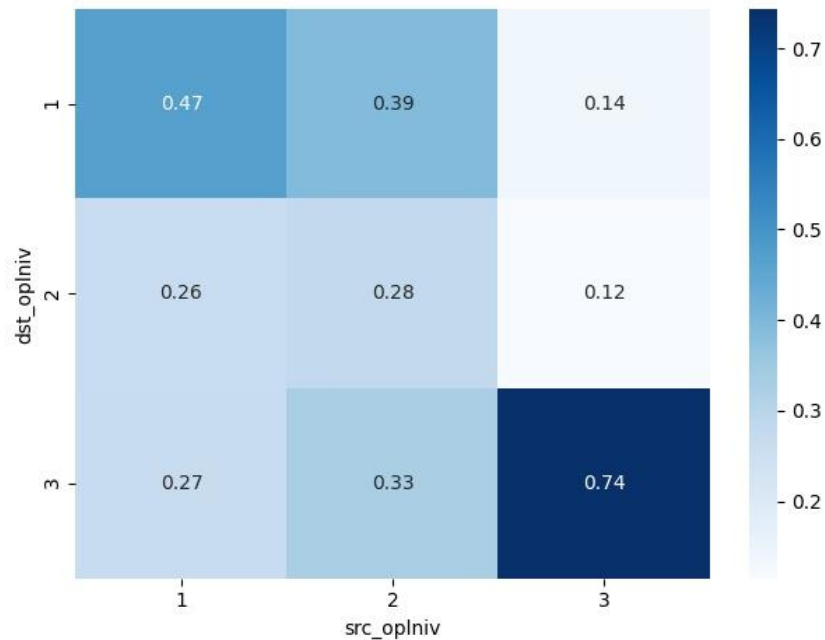
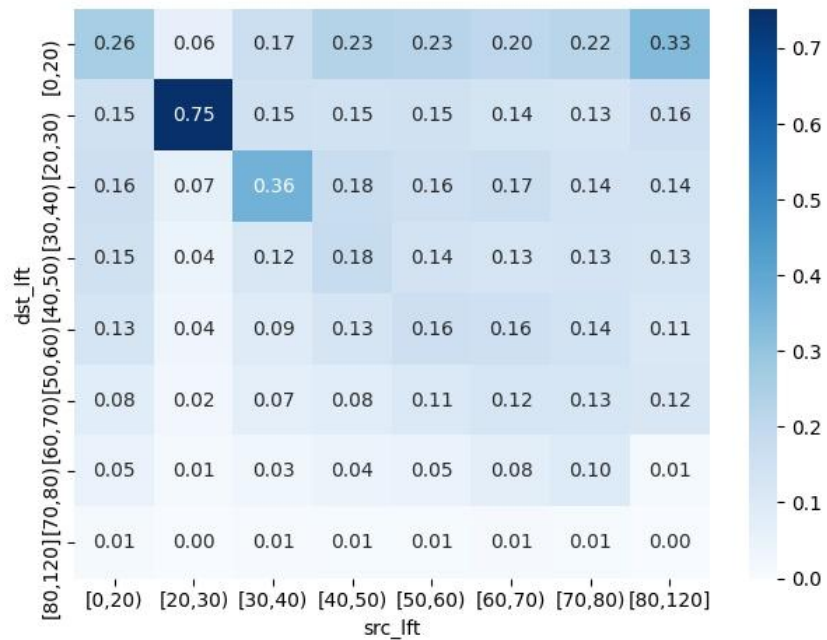
Work/School



Neighborhood



Neighborhood



Interesting measurements

- Reciprocity
- Transitive triplets
- Out-degree
- In-degree

Problems with SOAM

- Formally the actors in the network are fully aware (. In practice, the actors only need more limited information)
- No more than a few hundred actors

Possible problems with the data

- Missing of the education level in the n_table
-

To do

- Connections work/school \Rightarrow based on?
 - Theils
 - Distribution of groups V
 - Distribution of network V
 - Use education from other tables to implement education in n_tab V
 - Mutual Information
 - <https://regio-monitor.nl/> V
-
- Normalized index homophily \Rightarrow segregation V
 - Multi layer literatur, link imputation
 -