
Social Interactome Recommender Team

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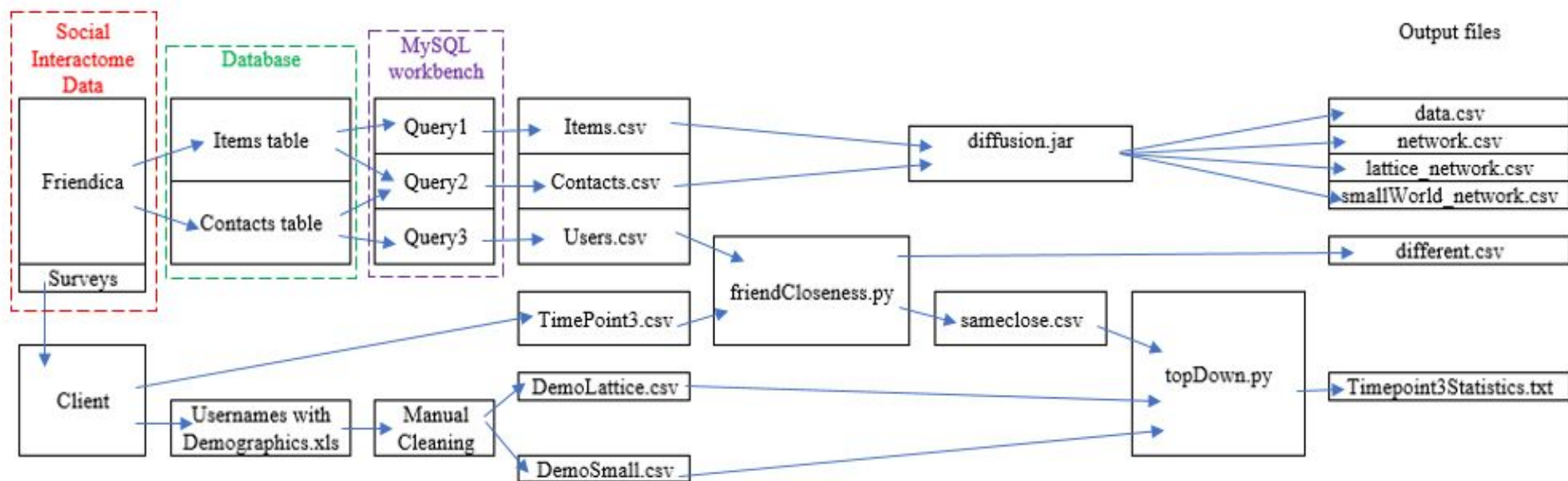
Overview

- Social Interactome
- Project Deliverables
- Two Methods
 - Top-Down
 - Diffusion
- Lessons Learned



Friendica Logo

Dataflow Diagram



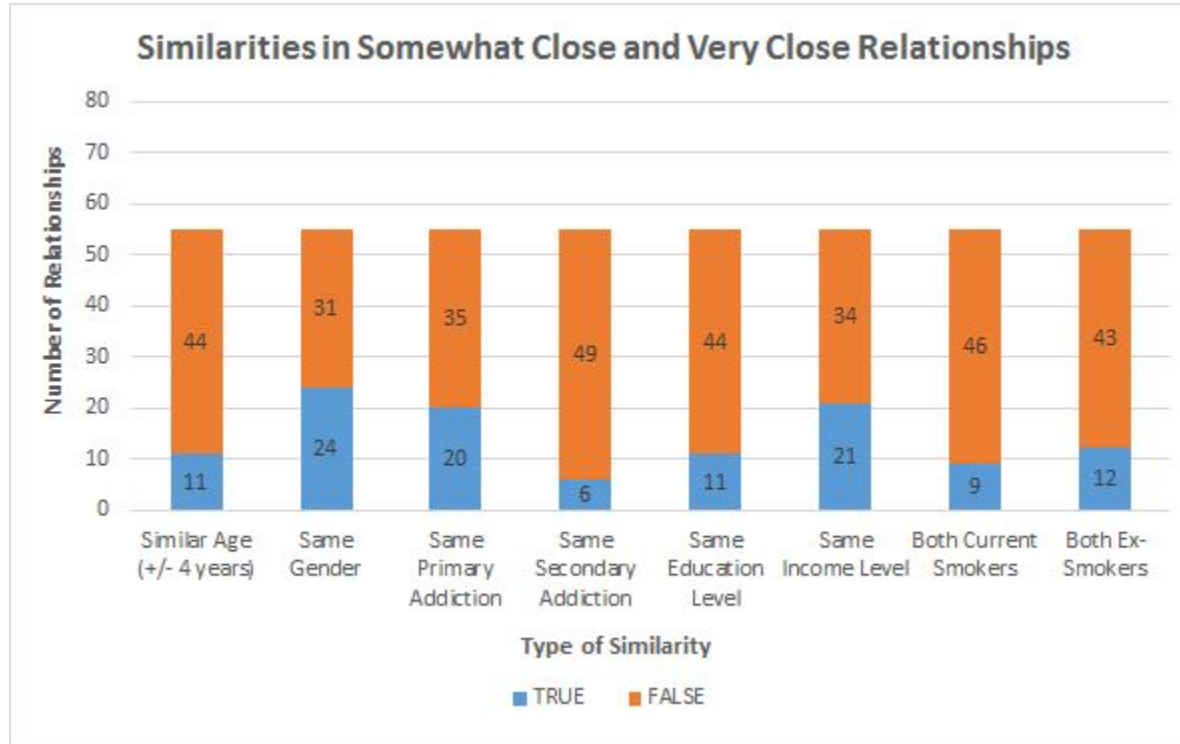
Data Cleaning

- 1536 total buddy pairs
 - 900 correctly reported buddies
 - 288 incorrectly reported buddies
 - approx 348 non-answers
- 5 very close, 50 somewhat close

	user	buddy1	buddy2	buddy3	buddy4	buddy5	buddy6	number
0	u4001	None	None	None	None	None	None	0
1	u4002	None	None	None	None	None	None	0
2	u4003	None	None	None	None	None	None	0
3	u4004	None	None	None	None	None	None	0
4	u4005	None	None	None	None	None	None	0
5	u4006	None	None	None	None	None	None	0
6	u4007	None	None	None	None	None	None	0
7	u4008	u4012	None	None	None	None	None	1
8	u4009	u4005	None	None	None	None	None	1
9	u4010	u3001	u3002	u3003	u3004	u3005	u3006	6
10	u4011	u4005	u4001	u4019	u4066	u4201	None	5
11	u4012	u4001	u4002	u4003	u4004	u4005	u4006	6

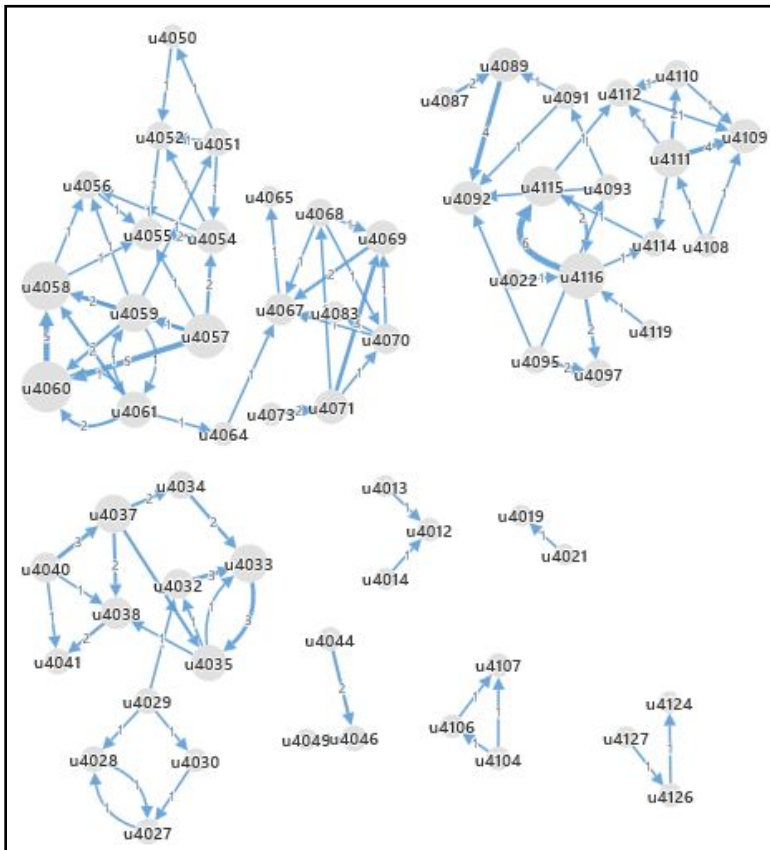
Sample Data from 'different' cleaning Dataframe

Top-Down

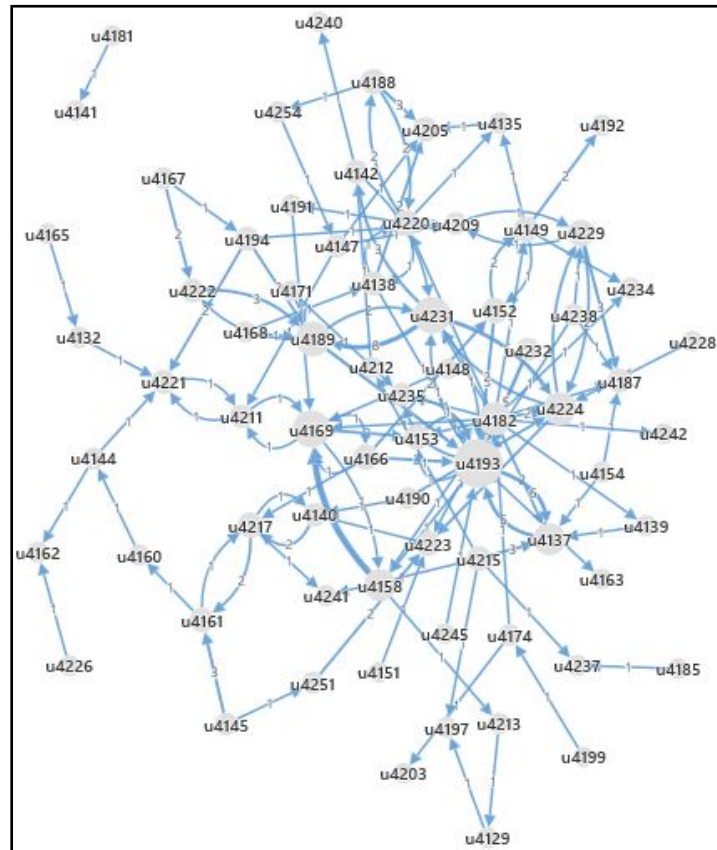


The Demographic Similarities Compared to the Total Number of Close Users in both Networks

Diffusion



Diffusion network diagram - Lattice Organization



Diffusion network diagram - Small World organization

Lessons Learned

- Changing of goals and requirements require additional communication
- Team size can be a disadvantage without structured roles
- Being provided with some false data meant cleaning and working with limited data

Acknowledgements

- Client: Prashant Chandrasekar
- Professor: Dr. Edward A. Fox
- Social Interactome Team
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Citations

- <https://github.com/tttran/SIFriendRecommender>
- <https://github.com/friendica/friendica/tree/develop/images>
- <https://vtechworks.lib.vt.edu/handle/10919/70956>