

Network Analysis Regal Lily

Jiyan Jonas Schneider*

February 4, 2021

Contents

Basic Stats

Some basic stats of the network

Distribution of Degrees

- [Distribution of Degrees]

Diameter

- [Diameter]
- [Average Path Length]

Connected Components

- [Stats about the connected components]
- Largest connected components
- Smaller components

Distribution of degrees

- In-degrees and out-degrees

*jiyan.schneider@gmail.com

Motifs

Compared to Base Model

Compared to Other Artist

Community Detection

Role Detection

Problems

- Only have Egonet
- Do not have enough data
- We cannot simply contact everyone

Solutions

- Look further into the egonet, looking at people's attributes as well as the graph structure
- Try to get more data of the larger graph