

Useful resources

Duke Network Analysis Centre

<https://dnac.ssri.duke.edu/intro-tutorials.php>

Statistics for Social Data

<http://ptrckprry.com/course/ssd/>

Awesome Network Analysis Resources

<https://github.com/briatte/awesome-network-analysis>

Using iGraph for network analysis

kateto.net

- <https://kateto.net/networks-r-igraph>
- <https://kateto.net/netscix2016.html>

using package igraph for network analysis

<https://users.dimi.uniud.it/~massimo.franceschet/R/>

Network Analysis with igraph

<http://cneurocv.s.rmki.kfki.hu/igraphbook/igraphbook-flows.html>

Network properties

<https://users.dimi.uniud.it/~massimo.franceschet/networks/nexus/properties.html>

Network Analysis in R Cookbook

<http://sachaepskamp.com/files/Cookbook.html>

Network properties explanations

Centrality

<https://towardsdatascience.com/graph-analytics-introduction-and-concepts-of-centrality-8f5543b55de3>

Network Centrality in R: An Introduction

<https://www.r-bloggers.com/network-centrality-in-r-an-introduction/>

Community Detection

Summary of community detection algorithms in igraph 0.6

<https://www.r-bloggers.com/summary-of-community-detection-algorithms-in-igraph-0-6/>

R tutorial: how to identify communities of items in networks

<https://psych-networks.com/r-tutorial-identify-communities-items-networks/>

Community detection in social networks

<https://www.kernix.com/article/community-detection-in-social-networks/>

What are the differences between community detection algorithms in igraph?

<https://stackoverflow.com/questions/9471906/what-are-the-differences-between-community-detection-algorithms-in-igraph>

Other R packages for Visualization

ggnetwork

<https://briatte.github.io/ggnetwork/articles/ggnetwork.html>

ggnet2

<https://briatte.github.io/ggnet/>

Rpubs Network Analysis tutorials

- <https://rpubs.com/mfwade/Network-Detection-Network-Visualization>
- <https://rpubs.com/jhofman/networks>
- <https://rpubs.com/wctucker/302110>
- <https://rpubs.com/pjmurphy/323120>
- <https://rpubs.com/Poornima/376445>
- <https://rpubs.com/SulmanKhan/437581>
- <https://rpubs.com/BrendanKnapp/NetworkVisualizationCookbook>
- <https://rpubs.com/JanpuHou/337721>
- <https://rpubs.com/gill1109/network>
- https://www.rpubs.com/Steven_Surya/visNetwork
- <https://rpubs.com/pjmurphy/313180>

TidyGraph

- <https://www.data-imaginist.com/2017/introducing-tidygraph/>

Interactive visualization

- https://rstudio-pubs-static.s3.amazonaws.com/249439_1cfd9ec1ee7a481bb30a8d08ebf779ae.html
- https://www.rpubs.com/Steven_Surya/visNetwork

Other interesting network analysis that can be explored

Gene fusion network analysis

http://konect.cc/networks/gene_fusion/

Graph algorithms

<https://cp-algorithms.com/>

Some network property definition can be found

<http://www.analytictech.com/ucinet/help/webhelp.html>

Game of Throne SNA

<https://datascienceplus.com/network-analysis-of-game-of-thrones/>