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| Heading  Facebook network analysis ripped wide open. | 1 |
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| Date  11.11.2013 | *3* |
| Summary  We will guide you behind the secrets of social network analysis. Our use case is Facebook friends network. We will use open source tools to fetch one's Facebook friends and analyse the data. You'll get the idea on how network analysis could be used in your work. We will also go through some real show cases. | *4* |
| Keyword/tags  social network analysis, network analysis, SNA, Python, Facebook, Gephi, API, Scraper, screen scraping | *5* |
| Contents of tip sheet  We will use lecturer's personal Facebook account and fetch the friends data with a Google Chrome add-on called Scraper. We export the data to Google Spreadsheets and clean it. Then we use a tailored Python script to fetch all the available data for those users. These information include gender, first\_name, last\_name among other. We use this data to ask Facebook API whether two Facebook users are friends with each other. The Python script forms a social network file called .gexf from this information. The network data is then visualized with Gephi, an open source tool. Gephi exposes the groups within the network which then can be analysed. | 6 |
| Links  <https://chrome.google.com/webstore/detail/scraper/mbigbapnjcgaffohmbkdlecaccepngjd>  <http://datajournalismi.blogspot.com/2013/10/social-network-analysis-of-ones.html>  <https://developers.facebook.com/>  <http://www.python.org/> | *7* |
| Publications  <http://www.youtube.com/watch?v=2p0itkrVfC0>  <http://yle.fi/uutiset/web-analyytikko_ampujan_facebook-piiri_varsin_suppea/6140162>  <http://svenska.yle.fi/artikel/2012/05/30/analys-av-hyvingeskjutarens-facebooknatverk>  <http://datajournalismi.blogspot.com/2013/10/social-network-analysis-of-ones.html> | *8* |
| Appendices  <http://datajournalismi.blogspot.com/2013/10/social-network-analysis-of-ones.html> | *9* |