**Project Plan**

Project Title: Network Analysis on Reddit Hyperlink Network

Network: [Social Network: Reddit Hyperlink Network](http://snap.stanford.edu/data/soc-RedditHyperlinks.html)

Team Members:

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Project Description:

As part of this project, we will compare different graph embedding algorithms to visualize hyperlinks between subreddits and evaluate the results in respect to centrality measures.

We will examine to what extent the triadic closure property is fulfilled by the nodes of this network and compare our results to other social networks, such as Facebook or Twitter.

Furthermore, if time permits, we will test the performance of several machine learning algorithms to predict new links between nodes and/or attributes (class labels) of nodes.

Initial Timeline:

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| **Date** | **Event** |
| – 02.02. | Familiarization with the network |
| 02.03. – 02.09. | Research and definition of concrete plans |
| 02.10. – 02.16. | Coding and evaluation of results |
| 02.17. – 02.23. | Writing project report and designing presentation slides |
| 02.24. | Last presentation practice |
| 02.25. / 02.27. | Project presentation |
| 02.28. | Project report due |