

Social Network: Reddit Hyperlink Network (<https://snap.stanford.edu/data/soc-RedditHyperlinks.html>)

The hyperlink network represents the directed connections between two subreddits (a subreddit is a community on [Reddit](#)). We also provide subreddit embeddings. The network is extracted from publicly available Reddit data of 2.5 years from Jan 2014 to April 2017.

**Subreddit Hyperlink Network:** the subreddit-to-subreddit hyperlink network is extracted from the posts that create hyperlinks from one subreddit to another. We say a hyperlink originates from a post in the source community and links to a post in the target community. Each hyperlink is annotated with three properties: the timestamp, the sentiment of the source community post towards the target community post, and the text property vector of the source post. **The network is directed, signed, temporal, and attributed.**

This particular graph is a subset of the data, all transactions with a timestamp during the year 2015.

For these advanced questions, think about the context of the entities and relationships in soc-redditHyperlinks-body-2015.star and ask yourself what these different graph structures mean in this context:

1. What might a singleton imply?
  - a. It is a subreddit that did not have hyperlinks posted to any other subreddits in 2015.
2. What might a pendant imply in this context?
  - a. It is a subreddit was only linked to one other subreddit – it's probably a very niche or specific community.
3. What might a source imply in this context?
  - a. Points to other subreddits, but nothing points to it. It could mean that the community itself is either self-contained or is a duplicate/copies material.
4. What might a sink imply in this context?
  - a. Doesn't point to other subreddits but gets pointed to by others. It could be an information hub.
5. What would it mean if there was a loop in this graph?
  - a. A subreddit linked to itself.
6. What is the backbone?
  - a. All subreddits that point to more than one subreddit. The more interconnected subreddits.
7. Why are shortest paths useful to identify?
  - a. The most likely path to get from one subreddit to another when there isn't a direct connection.