


Analysis of Social and Information Networks

Chapter 1 and 2

Reddit.com: the frontpage of the Internet














MY SUBREDDITS ▼ POPULAR - ALL - RANDOM - USERS | ASKREDDIT - WORLDNEWS - VIDEOS - FUNNY - TODAYILEARNED - PICS - GAMING - MOVIES - NEWS - GIFS - MILDLYINTERESTING - AWW - SHOWERTHOU

 **reddit** POPULAR **hot** new rising controversial top gilded

Welcome to Reddit,
the front page of the internet.

[BECOME A REDDITOR](#) and subscribe to one of thousands of communities.

popular in: [Everywhere](#) ▼

-  36.3k  **11 different brands of AA batteries, tested in identical flashlights. [OC]**  (i.redd.it)
submitted 2 hours ago by thecrispiestbacon to r/dataisbeautiful
2339 comments share save hide report
-  26.7k  **Guinea Pigs...roll out.**  (gfycat.com)
submitted 5 hours ago by Panda_911 to r/Eyebleach
406 comments share save hide report
-  59.9k  **"You know what you're doing i'll give you that. Excellent form. But how's your footwork?"** (i.imgur.com)
submitted 5 hours ago by -EG- to r/gifs
755 comments share save hide report
-  16.2k  **Inside the blender**  (gfycat.com)
submitted 5 hours ago by GallowBoob to r/woahdude
553 comments share save hide report
-  14.0k  **Mark Hamill just tweeted this** (i.redd.it)
submitted 5 hours ago by spicy_m4ym4ys to r/wholesomememes
195 comments share save hide report

Reddit.com: the frontpage of the Internet

- **Reddit is a website where users can share links to images, blogs, videos, GIFs, etc. and comment on these links**
- **Every signed user can vote on content:**
 - The more upvotes a link/comment has, the higher up it is displayed
 - Downvoted content is pushed further down on the webpage
- **A user-moderated hub for news, hobbies, communities, questions,...**


<https://www.youtube.com/watch?v=tII022aUWQQ>

Subreddits

- **Subreddits are a smaller community contained in the reddit website**
- **Usually oriented towards one specific topic of interest**
 - r/asoiaf
 - r/TodayILearned
 - r/gaming
 - r/DungeonsAndDragons
 - r/DataIsBeautiful
 - r/Gephi



The Reddit Comment Database

dataset | I have every publicly available Reddit comment for research. ~ 1.7 billion comments @ 250 GB compressed. Any interest in this? self.datasets
Submitted 2 years ago * by Stuck_In_the_Matrix - [pushshift.io](#)  x2

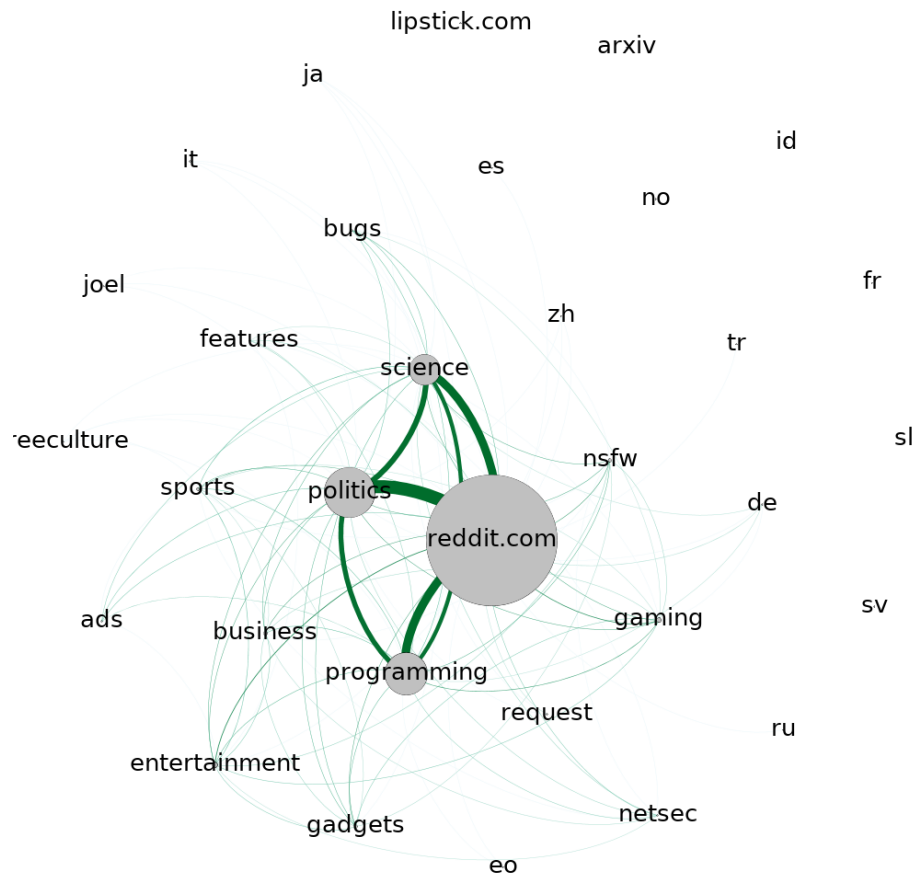
- **Complete dataset of reddit comments, divided by month, since October 2007**
 - Author name
 - Body of comment
 - Score
 - Thread
 - Subreddit
 - Timestamp
 - ...

The Subreddit Graph

- **Nodes represent a subreddit, with attributes:**
 - Number of comments
 - Number of unique comment authors
- **Edges connect subreddits:**
 - Undirected connection
 - Edge weight corresponds to the number of shared authors between the communities

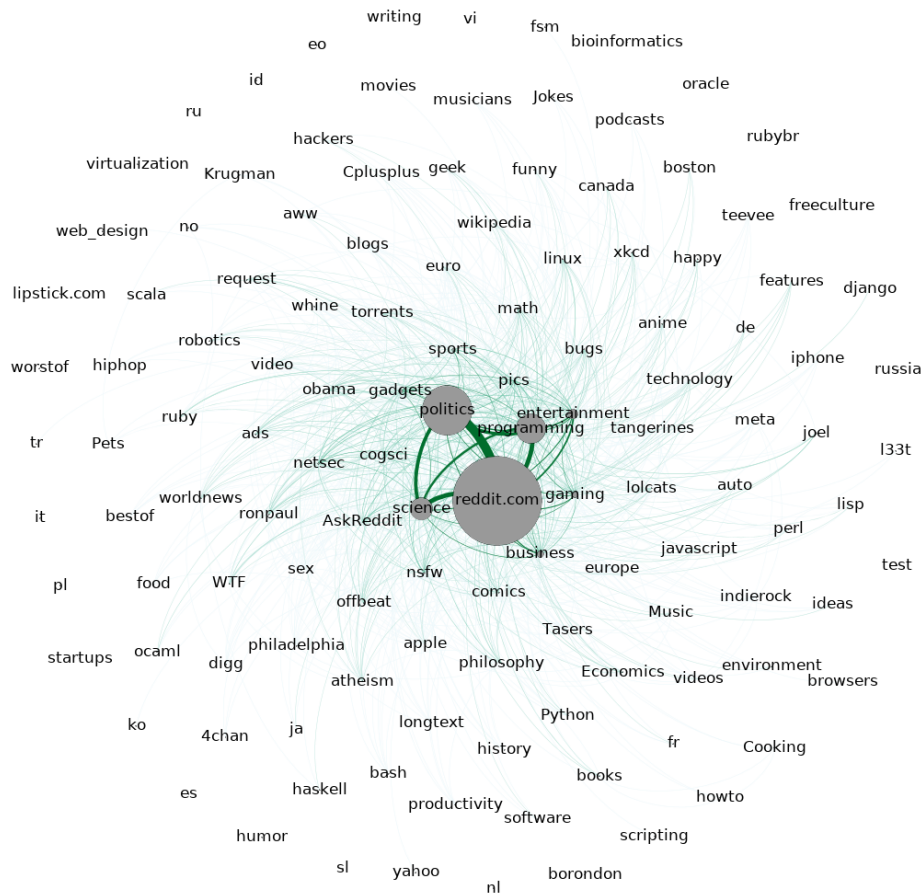
Comment processing was done with Python
Graph analysis was done with Gephy

Subreddit Graph for October 2007



- **32 subreddits**
- **104 connections**
- **The main page of reddit was a separate subreddit back then. Today it's a collection of links from all subreddits.**

Subreddit Graph for January 2008



- **126 subreddits**
- **856 connections**
- **Boom of subreddits, but still 4 central:**
 - Reddit.com
 - Politics
 - Science
 - Programming

Subreddit Graph for July 2009

- **1686 subreddits**
- **60733 connections**
- **A dozen subreddits start to gain more popularity**

