

Project Proposal

Interactive Reddit Network Visualization with Sentiment Filtering

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TEAM

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INTRODUCTION

Our aim is to build an interactive dashboard to visualize subreddits within the Reddit network, thus allowing viewers to filter by temporal evolution, sentiment, network structure, subreddit connections and their attributes, along with content similarity.

MOTIVATION

Reddit is a vast array of specialized subreddits that serve as a melting pot of social interests and sentiments making it an ideal platform for exploring communities. By visualizing subreddit connections and filtering by sentiment, we offer a novel tool for professionals and casual users alike to identify common topics and the emotional tones that bind or divide communities of interest.

Using the NetworkX package, we will build a dashboard for users to be able to inspect and analyze various connections between subreddits. This will be accomplished using Python, Plotly, Pyvis, and other tools to aid in visualization and analysis.

DATASET

[Reddit Hyperlink Social Network](#)

[Reddit threads](#)