

# Project Sketch

‘Cause a picture is worth a thousand words

This document is meant to be an overview and roadmap for my semester project for data visualization. I will be using a dataset containing all submissions to the [askgaybros](#) subreddit over the course of the last year. I have collected this dataset using the [Reddit API](#). It should be noted that ~3% of posts are labeled not safe for work, and I will include a ‘show NSFW’ filter, defaulting to No.

## Planned Tools

I plan on extensively using Tableau to mock up my interface, and then using D3 and Bootstrap to create the final product. I’m also interested in crossfilter to allow for quick data filtering / database like actions, and dc.js / leaflet for pretty styling and interactivity.

## Planned Techniques, Planned interface

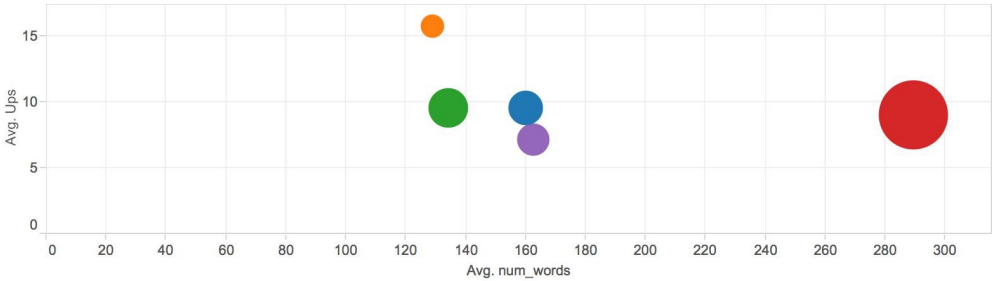
Rather than painfully describe my proposed UI, I’ve created a mockup using Tableau, attached on the following page.

	X axis	Y axis	comment
<b>Bubble Chart</b>	Number of words	Number of Up votes	Size by number of posts
<b>Stacked Area</b>	Day of week	Number of Submissions	
<b>Heatmap</b>	Day of week	Hour of day	Possible NA issue

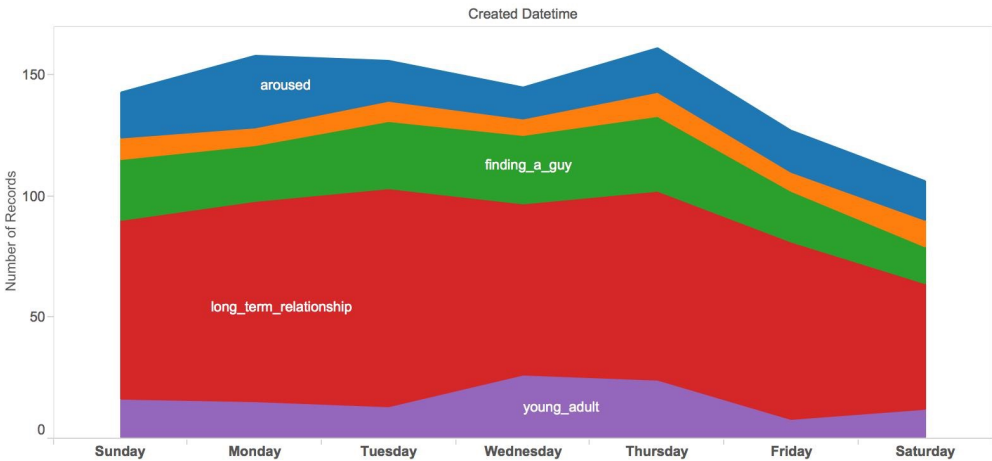
<Hero Title>  
Exploring /r/AskGayBros

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum

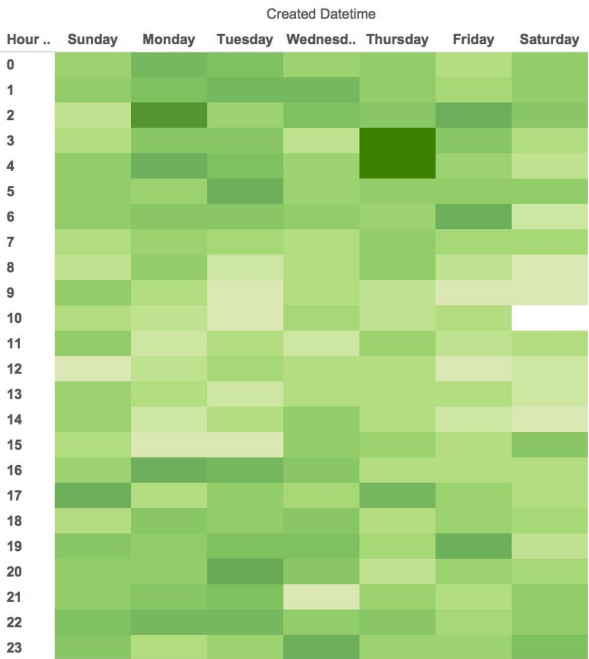
Number of Words vs Upvotes by topic



Upload Day of Week Stacked Area Chart



Upload heatmap



## Planned Interaction

If I'm able to pull it off by using crossfilter, I'd like to have each of the charts act as a filter for the other charts. For example, clicking on the red bubble in number of words vs number of up votes would remove all other topics on the other charts. However, this would rather heavily rely on cross filter's filtering abilities, which I am not familiar with.

I also plan on having an NSFW filter.

