# Compsci 690V HW6

## Notes:

1. In this homework, I have added visualizations to HW5. Therefore, some of the code is from HW5. However, I have clearly marked the visualizations that are part of HW6. There are four visualizations. The images are also added at the end of this pdf.
2. There are 2 notebooks: 'Initial Data visualization.ipynb' and 'Wiki edits.ipynb'. Please view them both. I had to create 2 notebook because I had to output one graph in another web page due to its size. This graph is in 'Initial Data visualization.ipynb'.
3. To run each of the notebooks, you will need to download 2 packages from nltk. Please run the following commands in command line:

```python
>>> import nltk
>>> nltk.download('punkt')
>>> nltk.download('vader_lexicon')
```

4. This assignment has been done only by Devdhar Patel. However, the previous assignment (HW5) was done as a part of a group (Devdhar Patel and Abhishek Singhal).
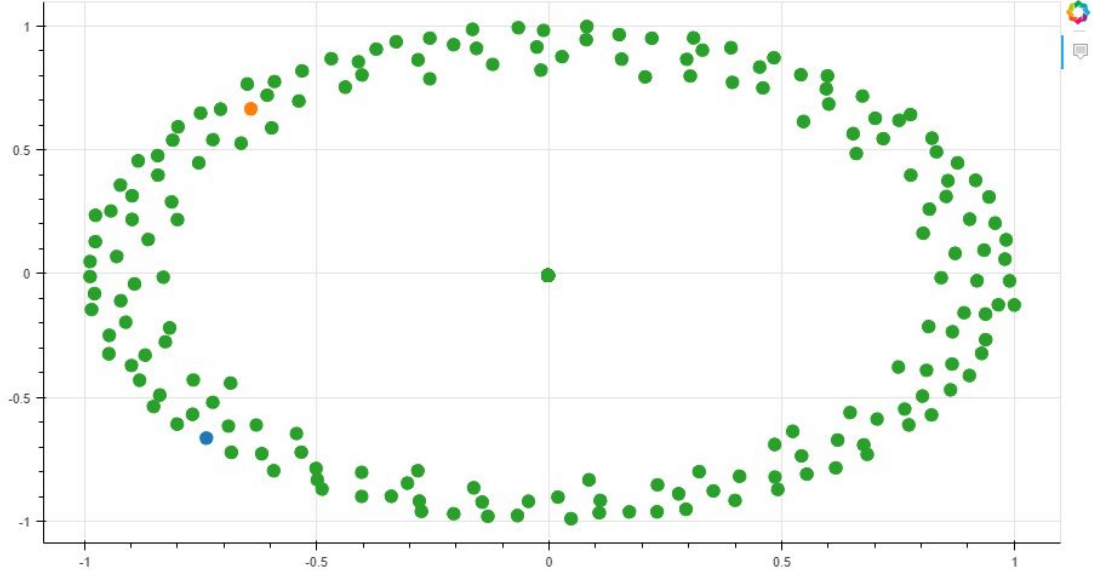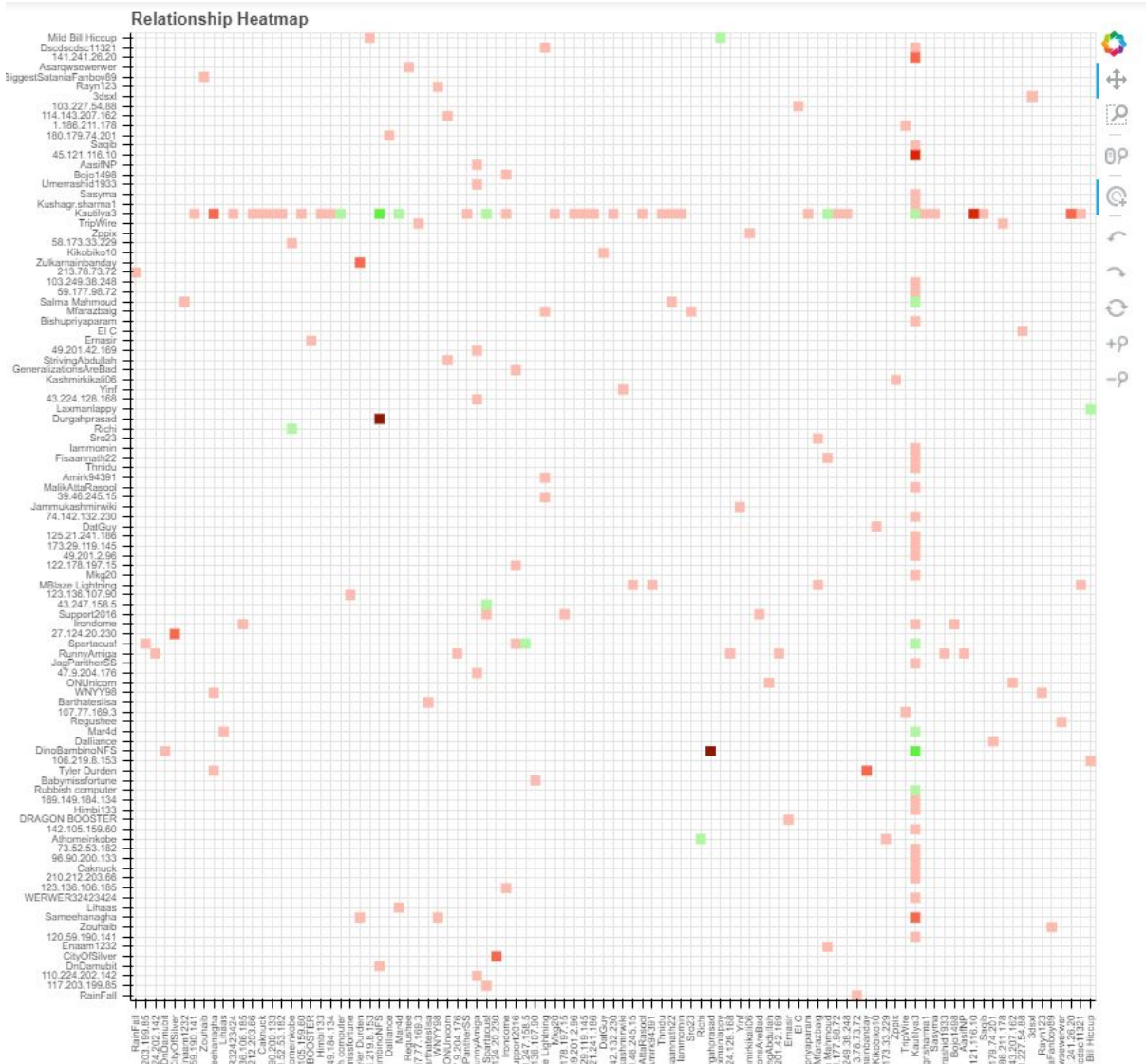
# Visualizations:



Wiki edits over time

Details of the selected point

Bytes added
Bytes removed

N-grams Range: **1 .. 4**

Clusters: **3**

clustering groups based on edits

Relationship Heatmap

Select Group:

Positives ▾

Select User:

45.121.116.10 ▾

**Sentiment Analysis**
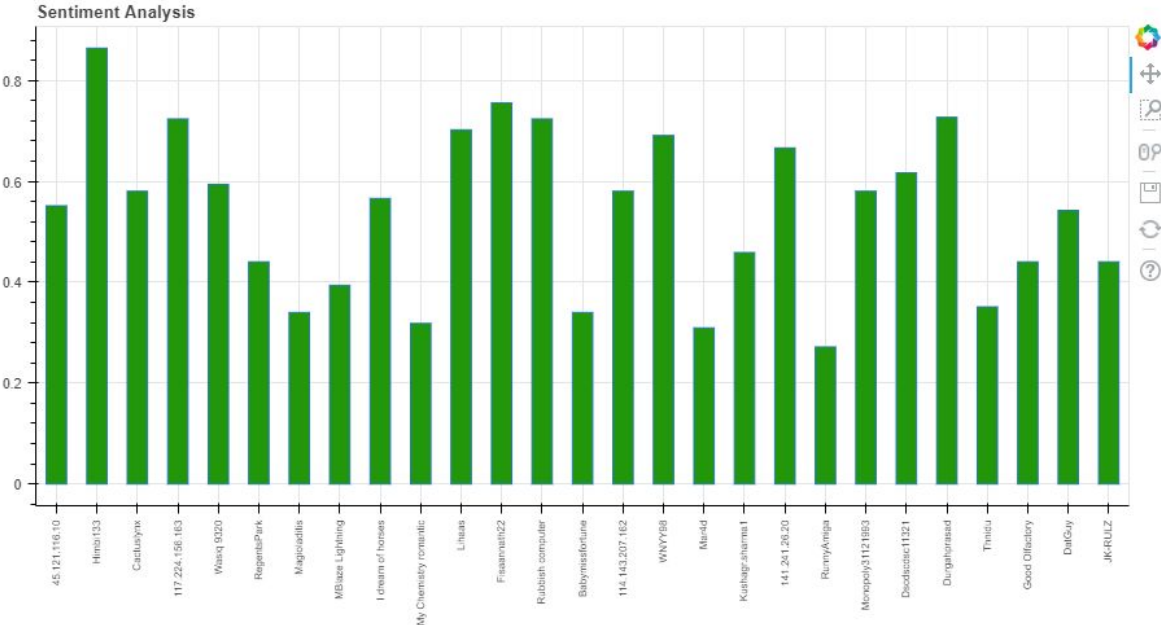


## 45.121.116.10

**compound:** 0.5514

| Comment | Compound |
|---|---|
| Undid revision 730509214 by Kautilya3 (talk) WP:BURDEN is on you to cite it and ensure it isn't copyvio | 0.3818 |
| ??Use of pellet guns | 0.0 |