

# Visual Analysis of Wikipedia Edits

Devdhar Patel

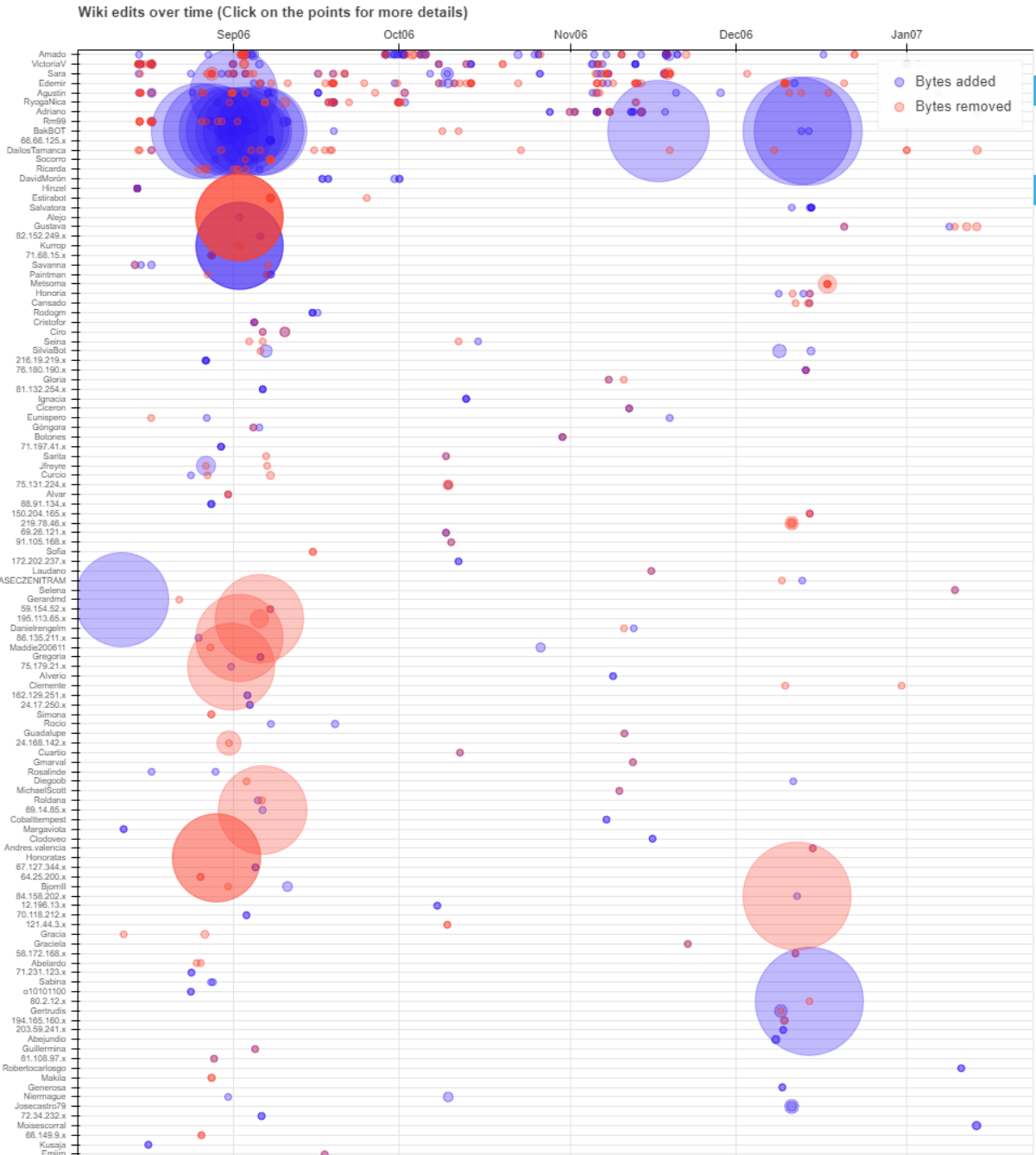
## Challenge

We are given wikipedia edits for the "Paraiso Manifesto"

Parasio Manifesto is a manifesto for a new religious movement

Identify the major actors from the wikipedia edits and their factions

## Initial visualization



Size of the dot represents the size of the edit

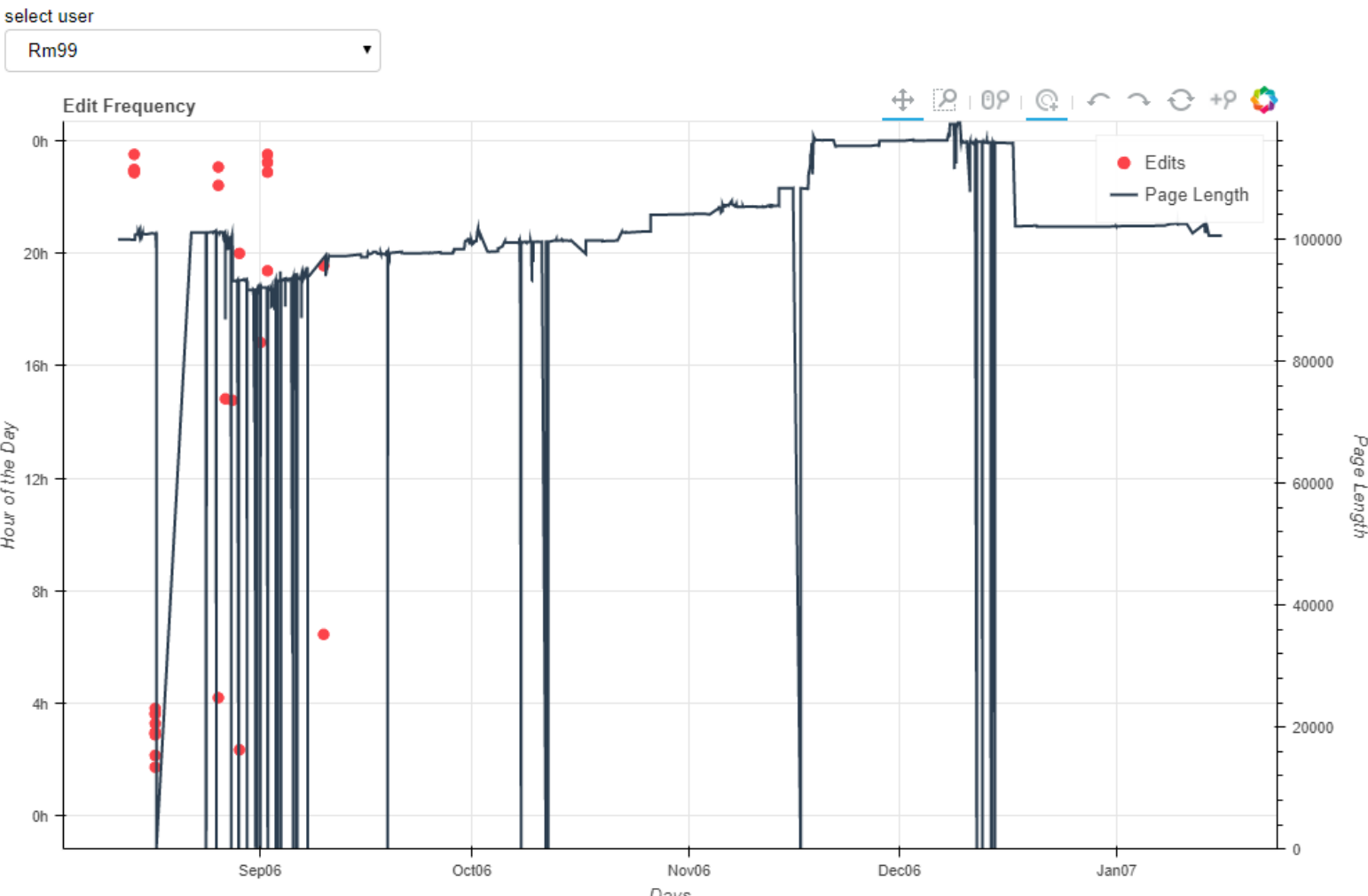
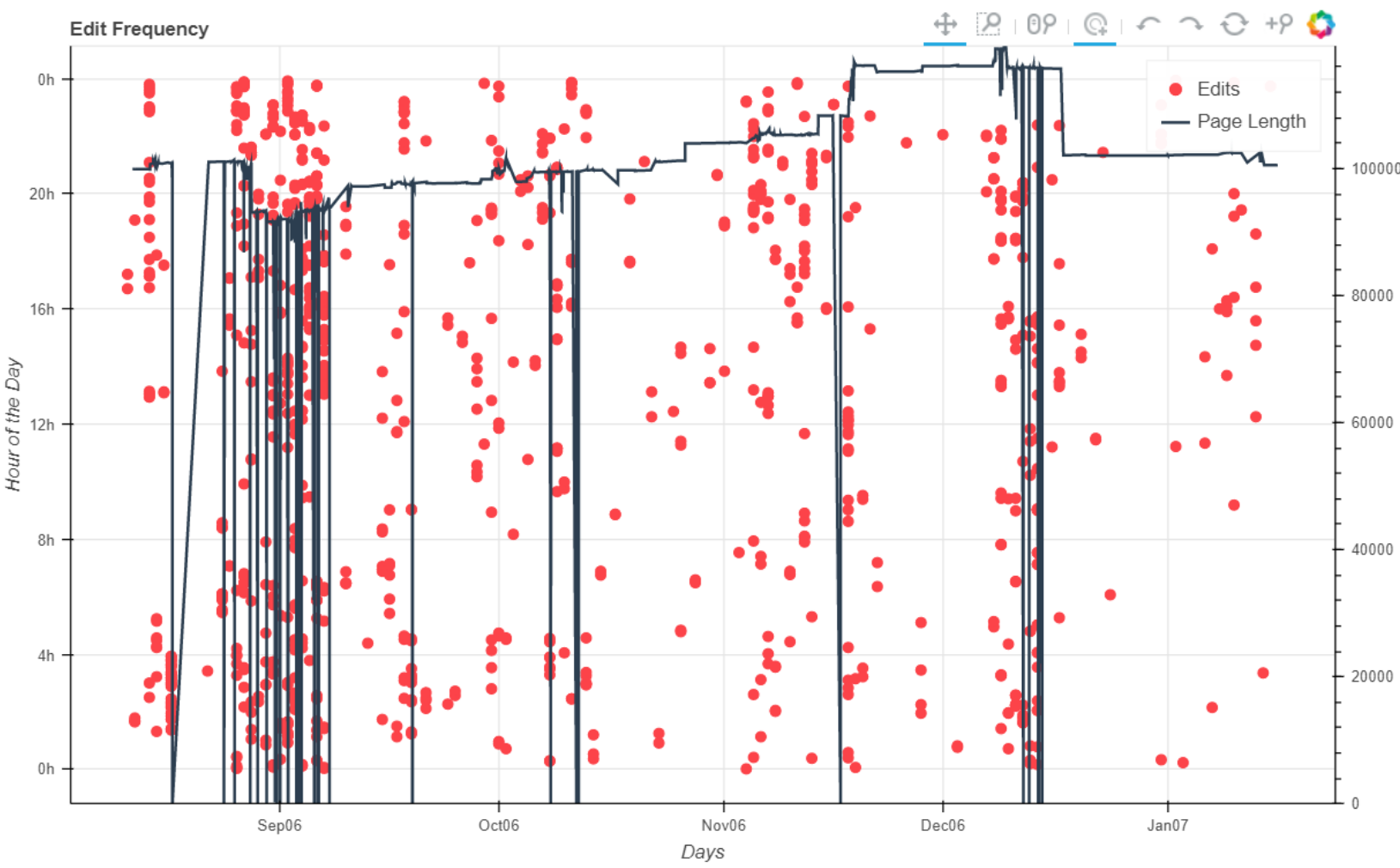
Blue represents overall bytes added

Red represents overall bytes removed

Shows the huge difference between edit sizes

The big red dots are instances of vandalism where the entire wikipedia page was removed

## Edit Frequency



x-axis is the date and y-axis is the time of the day

The red dots represent individual edits

The line represents the page length

The clusters show edit wars and major events

Useful for analyzing patterns of users

Select Feature:

All

#	Comment	User
210	Reverted edits by 150.204.165.x	Honoria
211	Reverted edits by 87.68.156.x	Ismaelsmr
212	Undid revision xxxxxxxx by 98.203...	Sorruno
213	Reverted to revision xxxxxxxx by ...	Salvatora
214	undo POV edit http://null by 61.9.1...	Gustava
215	Undid revision xxxxxxxx by Sevilla	Edemir
216	Reverted 1 edit by DailosTamanca; ...	VictoriaV
217	"Louts" is plural in the reference; U...	DailosTamanca
218	Undid revision xxxxxxxx by Gustavo	Selena
219	Undid revision xxxxxxxx by Selena	Selena
220	Reverted good faith edits by Dragon...	Edemir
221	Undid revision xxxxxxxx by Gustavo	Moisescorral
222	Undid revision xxxxxxxx User:Mois...	Gustava
223	Undid revision xxxxxxxx by Gustavo	Moisescorral
224	Undid revision xxxxxxxx by Moises...	DailosTamanca

ID:112

User:Remedios

Comment: **Reverted 1 edit by 203.59.152.x identified as vandalism to last revision by Cansado, using TW**

Page Length:115847

Edit Diff:-33.0

## Feature Visualization

top 50 features selected by analyzing all the comments by Tf-Idf

This visualization provides insight about the context of each feature

5 features were selected for weights for the conflict network.

## Conflict Network

Create a conflict network between users based on reverts and edit wars.

The idea is:  
If A opposes B, then A refutes B  
If A restores B's prior version, then A supports B.

weights given to selected features: undid, revert, vandalism, pov and good faith

More active users are more darkly colored

Interacting with the graph shows the relationship of each node with other nodes

