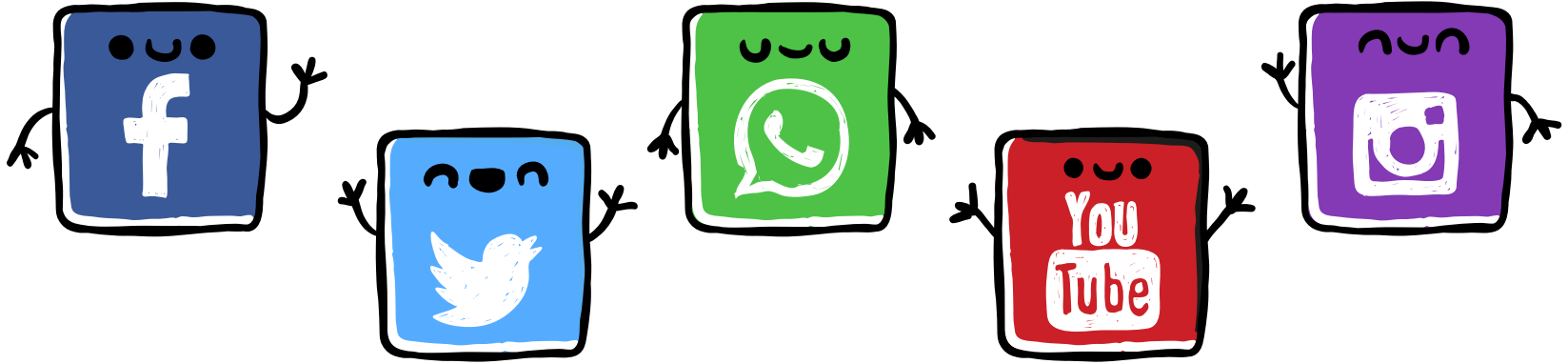




Toxic Comment Classification

Goals



Identify

Categorize
comments/text

Filter

Remove hurtful
comments

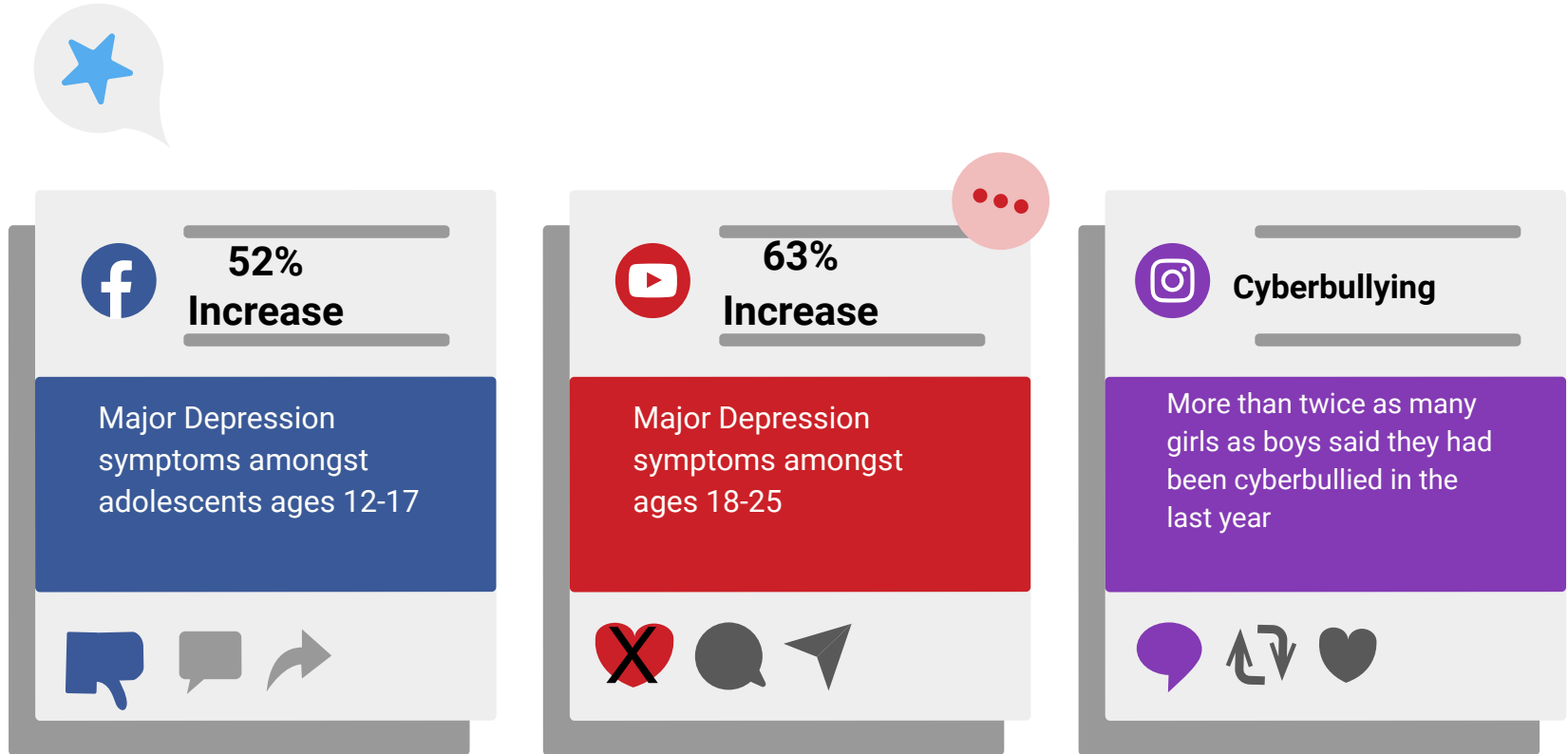
Improve Discourse

Reward positive
interactions

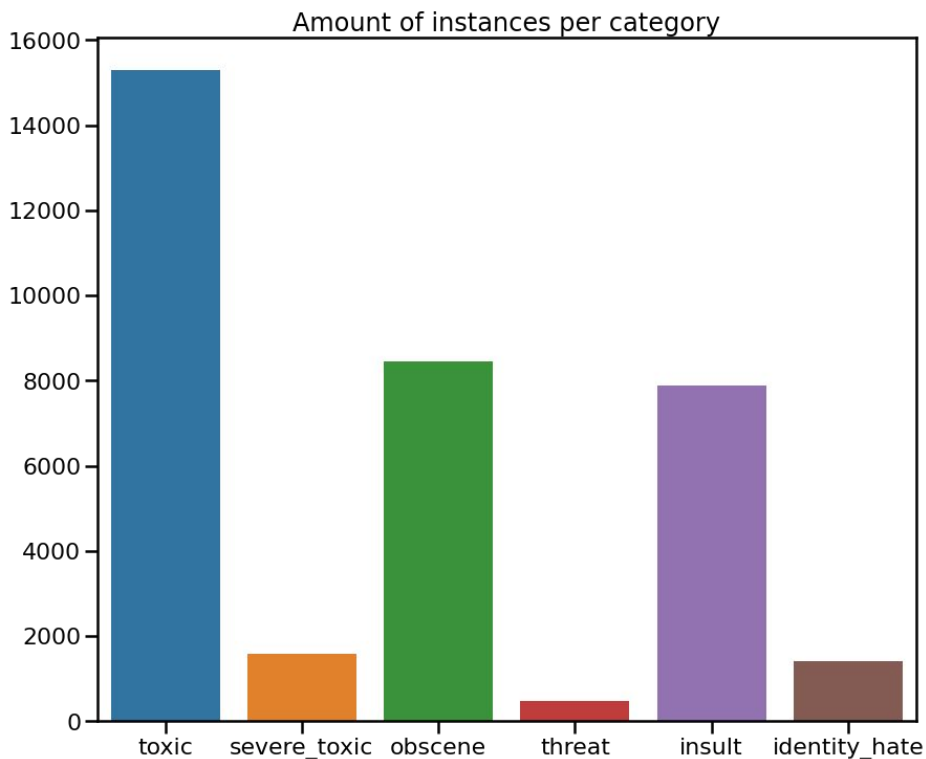
Positive Social Media Impacts



Negative Social Media Impacts



Data



YOU ARE A MISCHIEVIOUS PUBIC HAIR

Toxic



Now you fucking pathetic moron. cc: Jimbo Walesrootmyass

**Sever
Toxic**



Themes: Frequent swearing, talk about death

Obscene



Hi! I am back again! Last warning! Stop undoing my edits or die!

Threat



&!@&#(@#(censored) BEFORE YOU PISS AROUND ON MY WORK

Insult



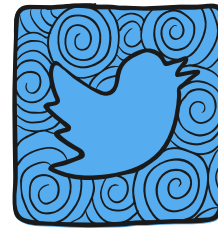
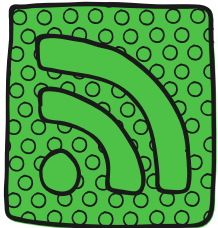
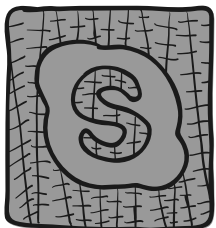
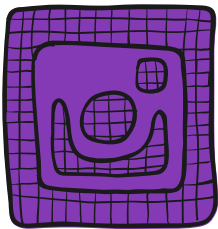
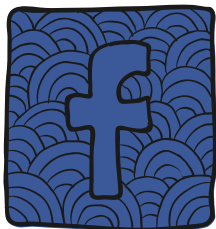
Themes: Slurs, hate speech, racism

**Identity
hate**



Targets:
Accuracy, Recall

Logistic Regression



	precision	recall
0	0.66	0.82
1	0.28	0.82
2	0.60	0.89
3	0.08	0.79
4	0.50	0.84
5	0.18	0.78

```
1 final_model_predictor('you suck, I hope you have a bad day')
```

```
executed in 20ms, finished 09:17:43 2023-11-16
```

```
['toxic', 'obscene', 'insult']
```

```
1 final_model_predictor("taco bell isn't as bad as people think")
```

```
executed in 22ms, finished 09:19:52 2023-11-16
```

```
[]
```

Next Steps

01

Collect more toxic data

02

Further improve model



04

Release models

03

Create more specific models

Thank you

Reyn Chagami

Feel free to reach out if you have any questions!

Github

3

<https://github.com/Reynch/Toxic-Comment-Classification-Challenge>

Linkedin

5

<https://www.linkedin.com/in/reyn-chagami-794743288/>



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- **Change the color** by clicking on the paint bucket.
- Then **resize** the element by clicking and dragging one of the square-shaped points of its bounding box (the cursor should look like a double-headed arrow). Remember to hold Shift while dragging to keep the proportions.
- **Group** the elements again by selecting them, right-clicking and choosing “Group”.
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