

Escaping 21st Century Earth: A Data Science Problem

Analysis and Presentation By
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Outline

- The Problem
- · The Data Science Problem
- The Process
- The Conclusion
- The Model



The Problem

- Gorn* destroyer →
- Space-time anomaly →
- 21st century?!?
- Technology non-functioning
- Prime Directive/Grandfather Paradox



*possibly itself a violation of space-time? Canon? Anyone?

Image from http://i1.ytimg.com/vi/oqqptkona2s/maxresdefault.jpg

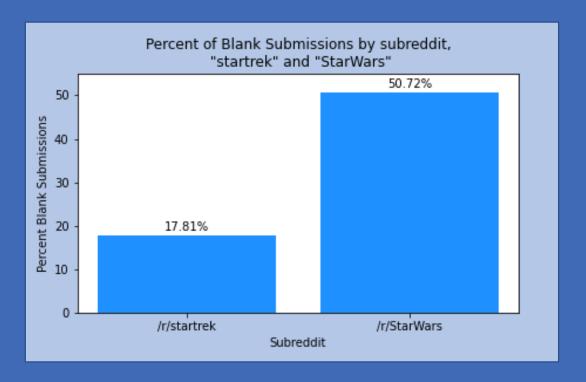
The Data Science Problem

Who do we ask for help? Star Trek or STAR WARS fans?



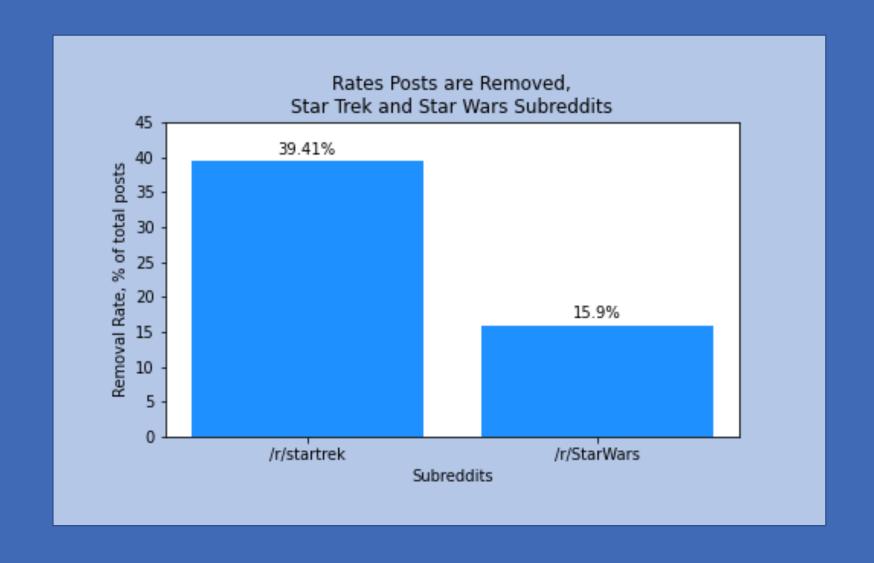
Post Length by subreddit, "startrek" and "StarWars" Mean Post Length Median Post Length 500 Number of Characters 300 244 185 200 100 /r/StarWars /r/StarWars /r/startrek /r/startrek subreddit Post Length (Outliers Removed) by subreddit, "startrek" and "StarWars" Median Post Length Mean Post Length 400 360 350 Number of Characters 300 250 200 181 181 150 100 50 /r/StarWars /r/startrek /r/startrek /r/StarWars subreddit

The Process



1) Exploratory Data Analysis (EDA)

Star Trek v. Star Wars: Removal Rates



Moderation Rules

Star Trek

STAR WARS

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Be constructive

Be welcoming

Be honest

Be nice

Keep on-topic

<u>Spoilers</u>

Meta

Think for yourself

Odds n' Ends

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/r/StarWars Rules and Guidelines

Guidelines

Read and follow Reddiquette

Vote based on quality, not opinion

Report rule-breaking content, and feel free to modmail

No copyright infringement or piracy

The moderators reserve the right to moderate at their own discretion

There is an undisclosed karma requirement in order to be able to post/comment here that is an anti-spam, anti-bot measure

Posts

1) Reposting Content

1A) Karma Trains

2) Self-Promotion

3) NSFW Content

4) Buying, Selling, and Trading

5) Memes and Macros

6) Politics, Social/Culture Issues and Religion

7) Spoilers in Titles

8) Keep content relevant to Star Wars

9) Post Flair

10) Post Quality

11) Discussion Posts

12) Blogspam

Breaking news guidelines

Always link to the original article

No editorialized titles

<u>In the tragic event of someone important to Star Wars</u> passing away please...

Comments

Respect Fellow Redditors - Read through this post

No sexualization of people or characters

Mark spoilers

Spoiler Policy

Posts

Comments

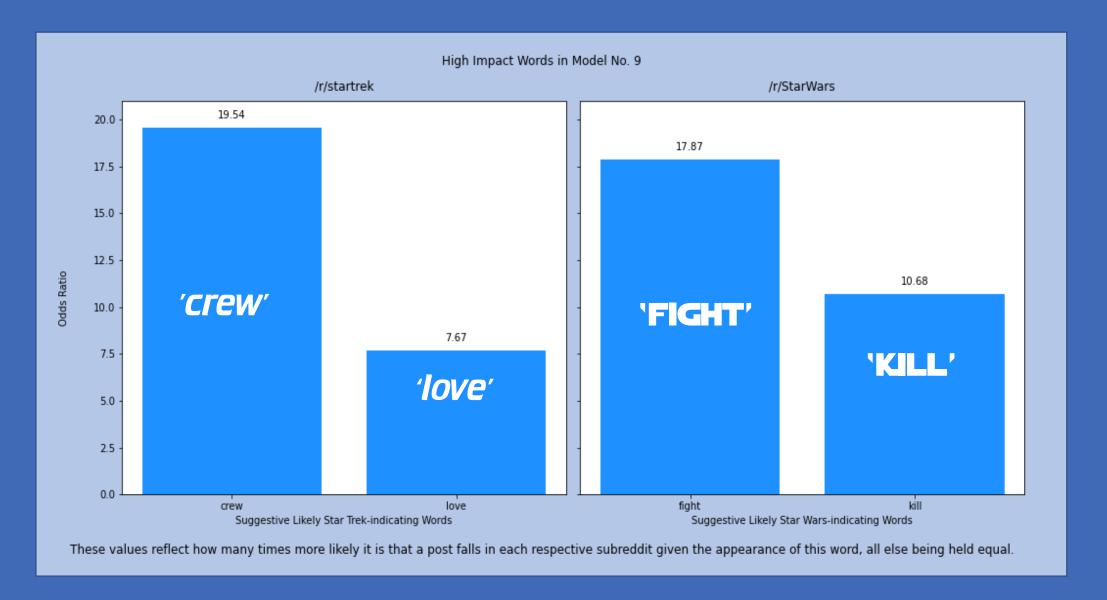
Discussion days and scheduled posts

<u>Sunday</u>

<u>Bans</u>

<u>Appealing a Ban</u>

Star Trek v. Star Wars: Important Words



The Conclusion

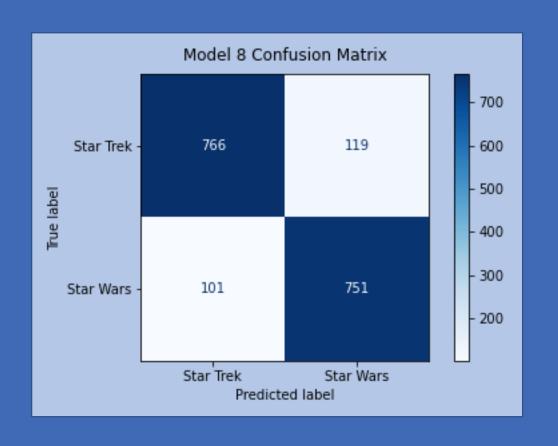
Ask Star Trek fans for help. Covertly, of course.



How do we reach them?

Predictive Modeling

	precision	recall	f1-score	support	
startrek starwars	0.88 0.86	0.87 0.88	0.87 0.87	885 852	
accuracy macro avg weighted avg	0.87 0.87	0.87 0.87	0.87 0.87 0.87	1737 1737 1737	



Compare accuracy to benchmark of 50.9%