



That's Classified!

The Brakefield Enterprises RPG Classifier™

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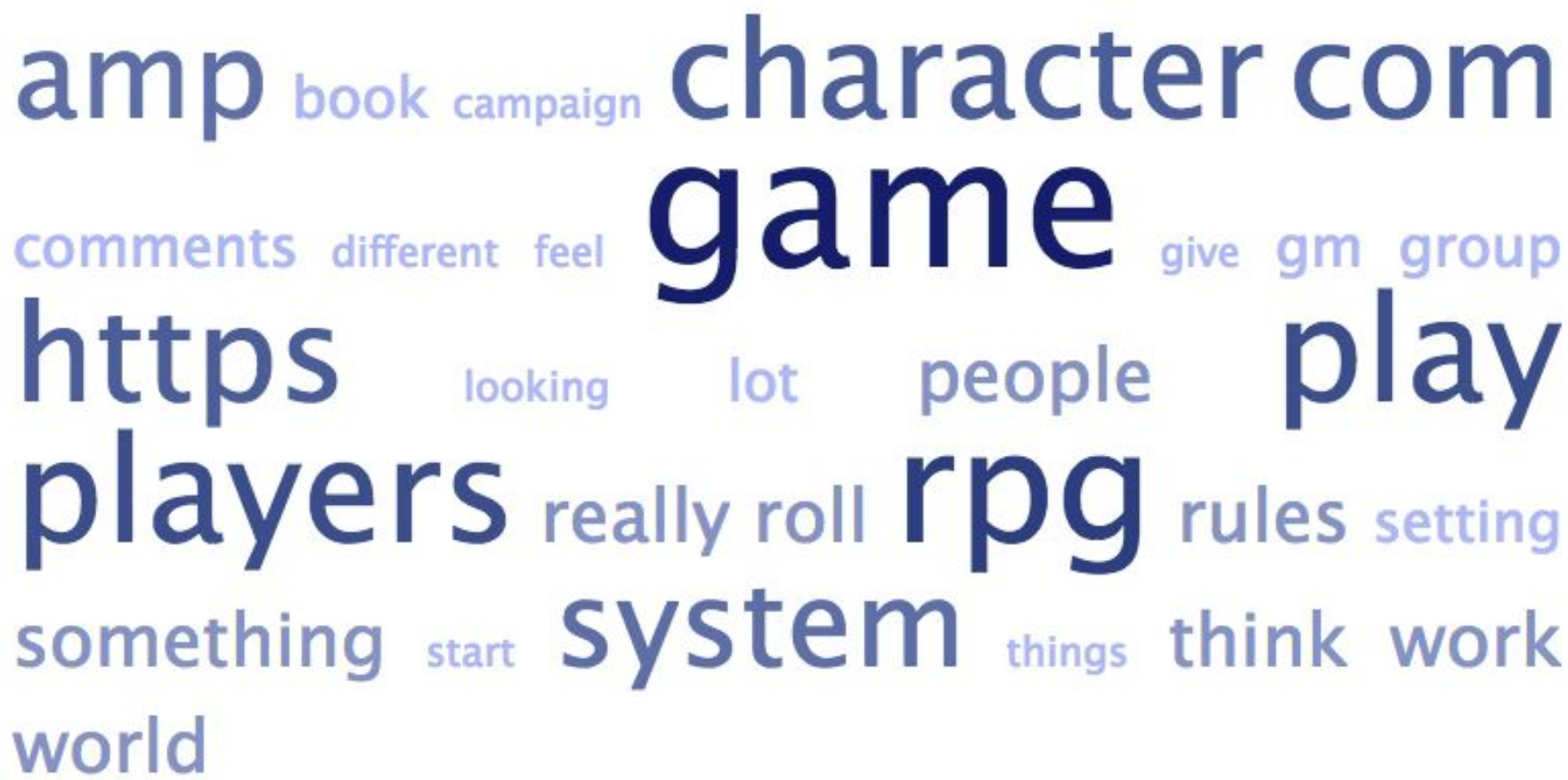


RPGs Are Complicated!

- **RPG:** Role-Playing Game
- **Pen-and-Paper:** In a group, books, dice, cards, etc.
- **Video Game:** Single or multiplayer, computers or consoles, etc.




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A word cloud featuring various terms related to role-playing games. The words are arranged in a non-uniform, overlapping manner. The most prominent words, shown in a larger, darker blue font, are 'game', 'players', 'system', 'rpg', 'play', 'character', 'com', 'https', and 'amp'. Other words, shown in a smaller, lighter blue font, include 'book', 'campaign', 'comments', 'different', 'feel', 'give', 'gm', 'group', 'looking', 'lot', 'people', 'rules', 'setting', 'something', 'start', 'things', 'think', 'work', and 'world'. The background is a solid light blue.

amp book campaign character com
game
comments different feel give gm group
https looking lot people play
players really roll rpg rules setting
something start system things think work
world



amp best character com combat comments
dragon fantasy feel final fun game
gamers interesting looking lot love original people
play pretty quest really rpg series start
story system think world



The Role of the Classifier

1. Enter a game's subreddit URL
2. Be told whether it's pen-and-paper or video game
3. Rest easy knowing you're targeting the right player base!



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What are the stats?

Baseline Data:

- **50/50** 'r/rpg' and 'r/rpg_gamers'

The Brakefield Enterprises RPG Classifier™:

- **95%** prediction accuracy



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How **Does** It Work?



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I. Reading Training Data

Training Data:

- **1500** Posts
- Up to **50** Comments per Post

Vectorized:

- **4000** Most common words



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II. Building Our Model

- Naive-Bayes Classifier: $\alpha = 0.01$
- Random Forest = Worse Score
 - **90%** Accuracy
- Voting Classifier = Slower Times



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III. Pulling Data From Target

API Limits:

- Posts Available
- Comments per Post
- Time: **5 Minutes** at **0.03-second** delay!

Hit Reddit API:

- **40** Pages for **1000** Posts
- **1000** Posts for up to **50** Comments Each



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IV. Making Recommendation

1. Predicts each post/comment blob
2. Calculates mean
3. Rounds to classify as **Pen-and-Paper** or **Video Game** RPG



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Room to Level Up?

- Expand to other RPG game formats
- Expand to general text strings
- Generate Guerrilla Ads



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Take a Guess?

Conclusion

...or Classified?



logotypemaker ker

logotypemz