

# Child-Rearing or Dog-Ownership



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# Agenda

- Introduction
- Context & problem
- Explore data
- Recommendations
- Questions

# Introduction



**Morgan Hofmann**

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# Dogs Subreddit



**/r/dogs: Woof**

Join

# Parenting Subreddit



**Reddit Parenting - For those with kids of any age!**

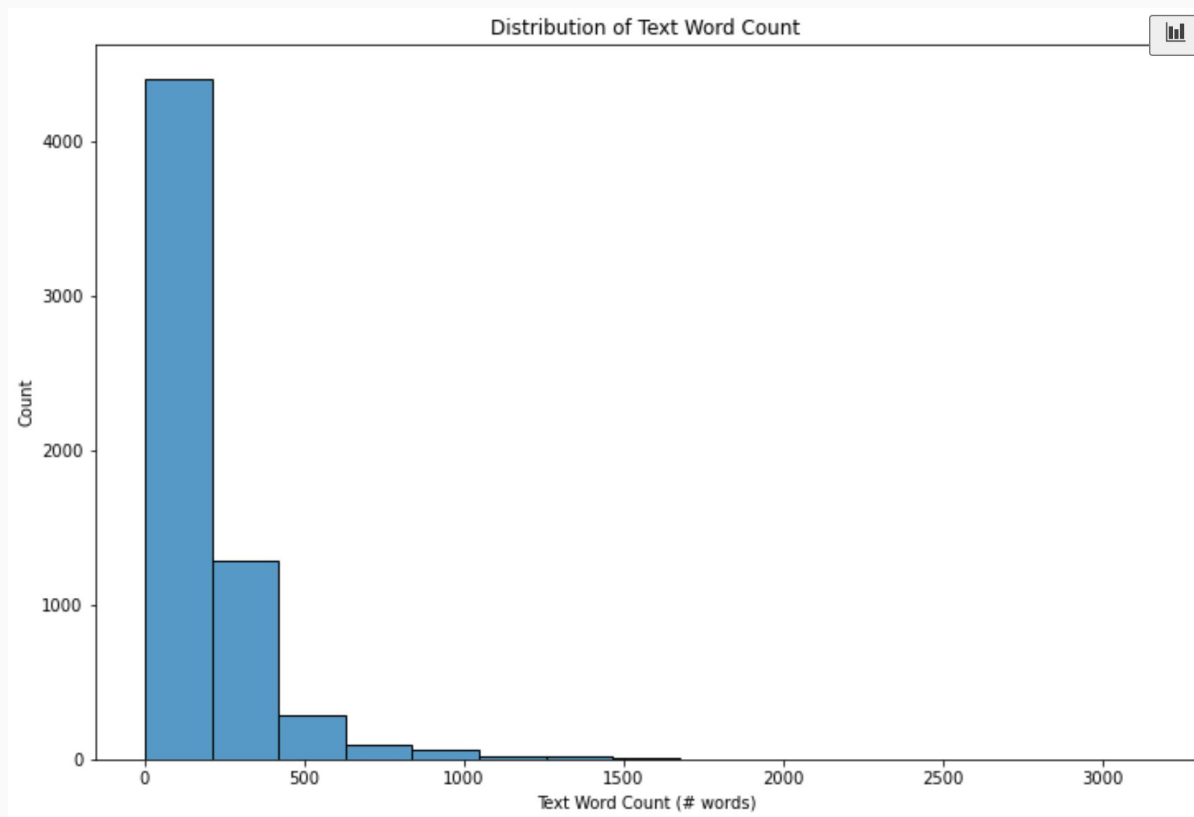
# Problem

- The goal is to build a model that categorizes Subreddit posts to Dogs or Parenting within 90% accuracy.
- How similar are the woes and wows of dog-ownership and child-rearing?

# Exploring Data

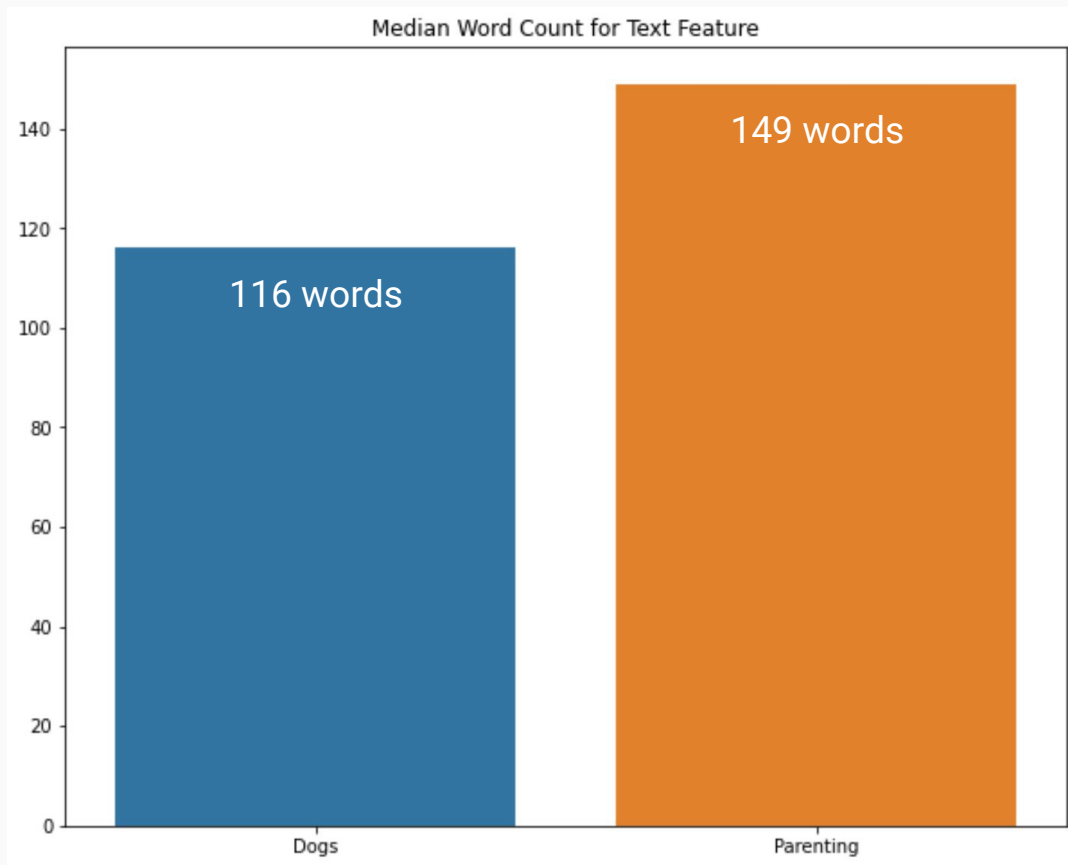
- Collected: **7,200** observations
- Cleaned: **6,170** observations
- Dogs vs. Parenting

# Exploring Data





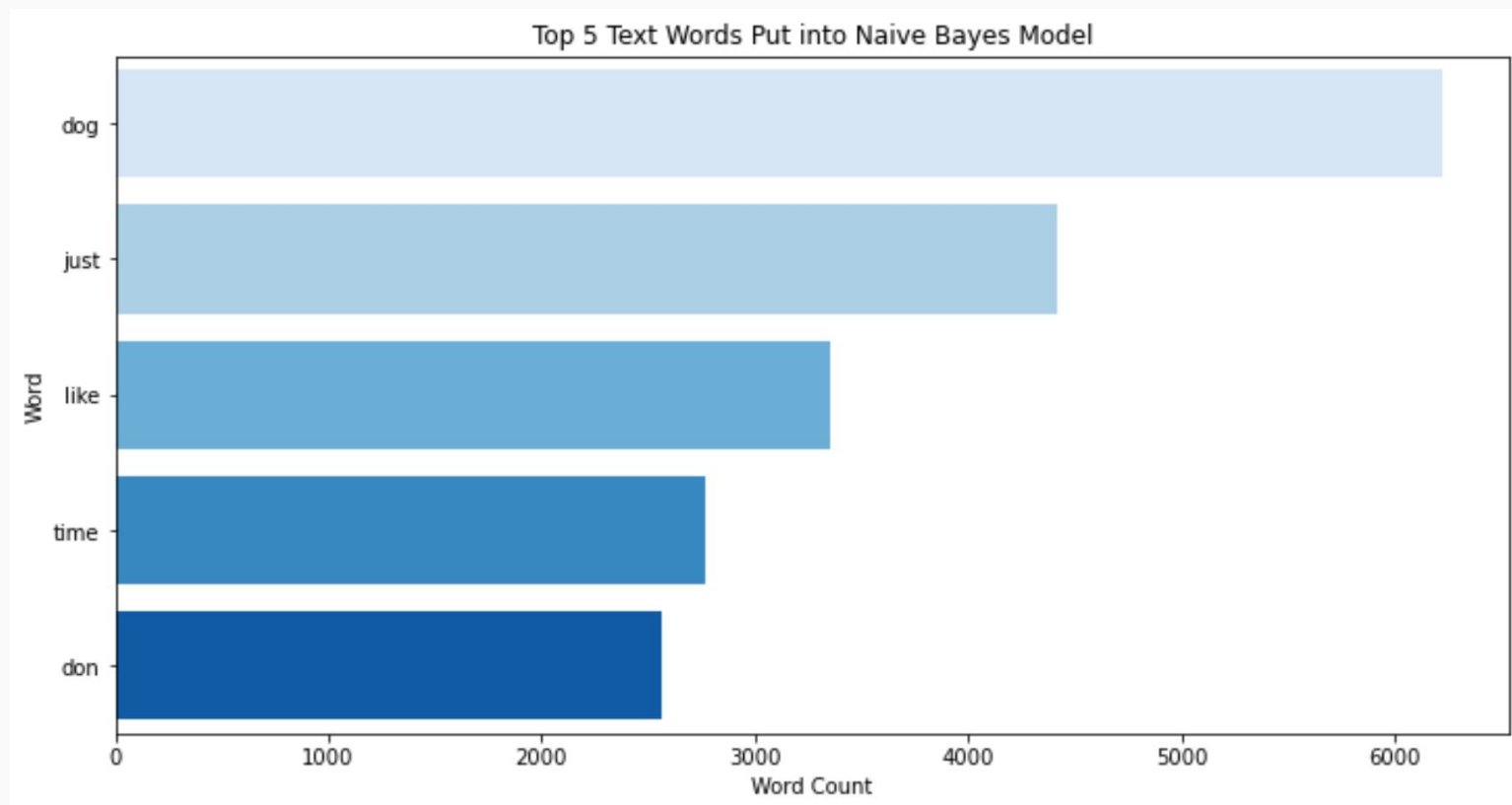
# Exploring Data



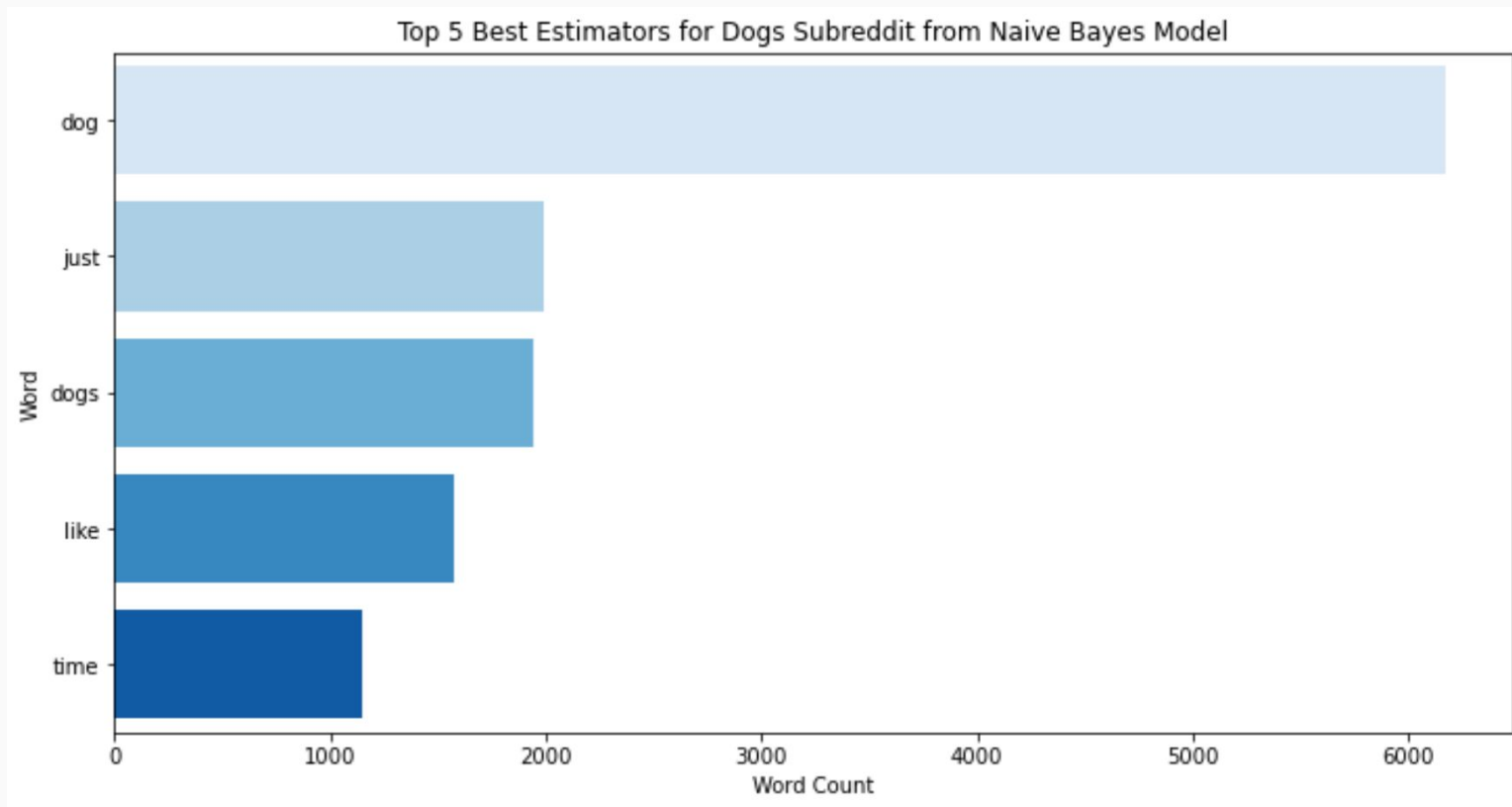
# Modeling Data

Model Type	Accuracy
DummyClassifier (null model)	50.00%
LogisticRegression w. CountVectorizer	96.37%
MultinomialNB w. CountVectorizer	97.67%

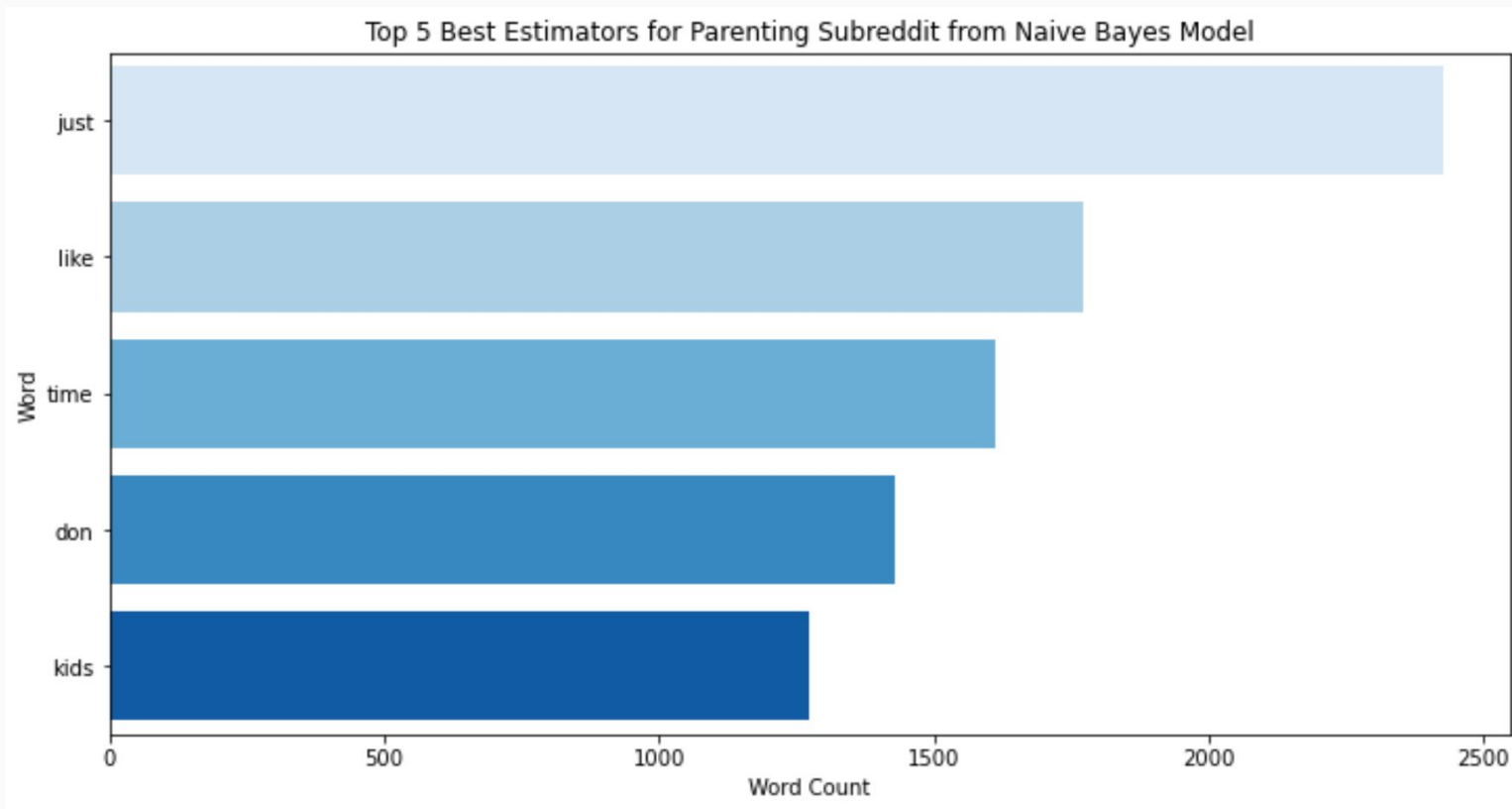
# Modeling Data



# Modeling Data



# Modeling Data



# Original Goal

- Build a model that categorizes Subreddit posts to Dogs or Parenting within 90% accuracy.
- How similar are the woes and wows of dog-ownership and child-rearing?

# Takeaways

- Built a model with 97.67% accuracy
- Similarities of dog-ownership and child-rearing

# Questions?

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# Sources

- <https://www.reddit.com/r/Parenting/>
- <https://www.reddit.com/r/dogs/>
- <https://www.scientificamerican.com/article/dog-and-cat-moms-and-dads-really-are-parenting-their-pets/>
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