

# r/todayilearned & r/askreddit

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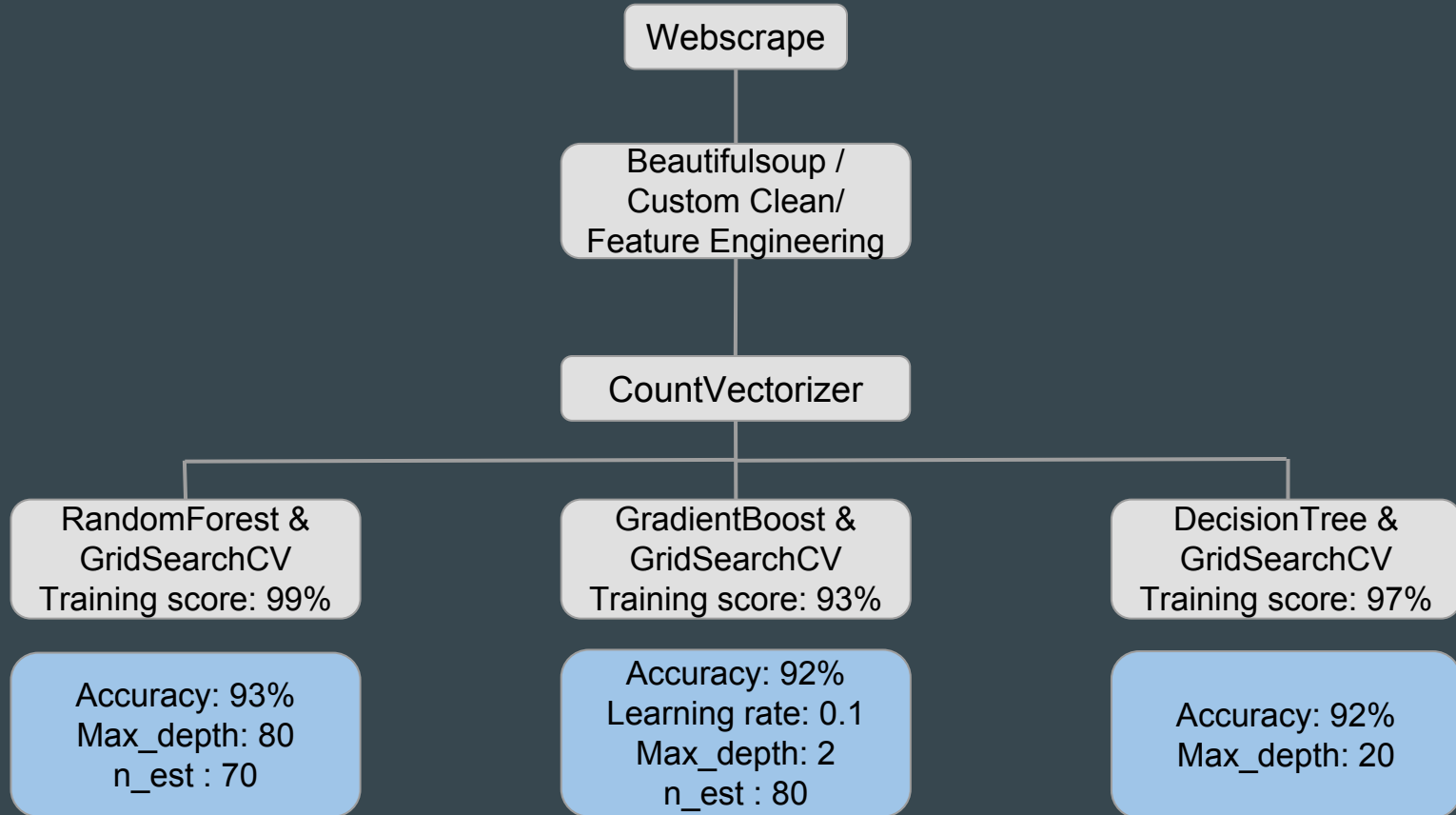


# Background

- r/todayilearned is a subreddit about people sharing cool things they learned today.
  - All TIL posts start with the tag 'TIL'
- r/askreddit is a subreddit dedicated to Q & A.
  - All AskReddit posts ended with '?'



# Process



# Custom cleaning and Feature Engineering

```
In [81]: # Remove "TIL" from concat_df['interact'] because it would be too easy.
# Remove "?" from concat_df['interact'] because almost all of AskReddit ends in a question mark.
# Remove other punctuation marks and lower case everything.

artifact = ['\n\n', '\n', '\t', '#', r'r/', 'https://', 'www.', 'http://', 'reddit.com', 'wiki',
            '.', ',', '-', ';', ':', '"', "[", "(", ")", '[', '/', "'", '?', '"', '*', '$', '&',
            'TIL', 'the', 'reddit', 'it', 'be']

for i in artifact:
    concat_df['interact'] = concat_df['interact'].map(lambda x: x.replace(i, ''))

concat_df['interact'] = concat_df['interact'].str.lower()
```

```
In [73]: til.isnull().sum()
```

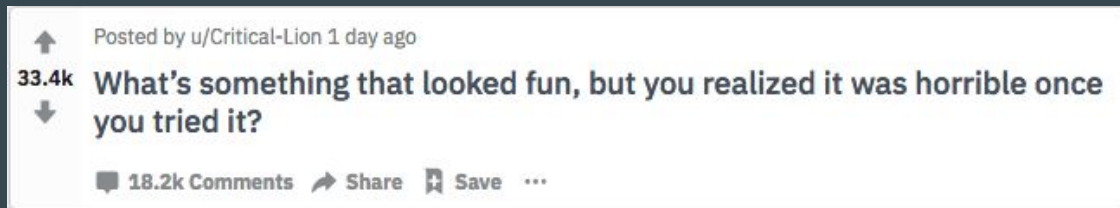
```
Out[73]: post      611
title      0
true_y     0
dtype: int64
```

```
In [74]: ask.isnull().sum()
```

```
Out[74]: post      954
title      0
true_y     0
dtype: int64
```

# Feature Importance

- Top three important words: **What, What's, How**
  - A lot of question words were used to determine whether a post belonged to r/TIL or r/AskReddit
- Other interesting words that were in the top 100:
  - **Serious**
  - **Mexico**
  - **Life**
  - **Earth**
  - **WW2**
- Judging from keywords, there were a lot of questions relating to scientific, historical, and societal questions.



# Next Steps



## 1. Reddit Gold

- See if there is a correlation with feature important words and gilded posts.
- Experiment posting on r/todayilearned on topics related to feature important words.


↑


43.6k

↓

 r/todayilearned · Posted by u/kramer753 1 day ago  1

**TIL about Freddie Oversteegen. She, along with her sister and friend, would flirt with Nazi collaborators and lure them to the woods for a promised makeout session. Once they reached a remote location, the men got a bullet to the head instead of a kiss.**



[history101.com/freddi...](https://history101.com/freddi...) 







↑

29.3k

↓

 r/AskReddit · Posted by u/ReichSmasher2018 20 hours ago  1

**What are redeeming qualities of humanity that nobody mentions?**

 4.0k Comments  Share  Save  Hide ...

89% Upvoted

