

Select Columns

Error Analysis

Accuracy - Precision - Recall

Metric	Percentage
Accuracy	69.94%
Precision	28.99%
Recall	86.44%

Accuracy (Question-Wise)

Metric	Percentage
Accuracy	06.72%

Analysis

Question 0: When does the new Fifty Shades of Grey come out

Correct Column : "Release Date"

Predicts : "Release Date", "Budget", "Box Office"

Why?

The 3 columns predicted have one thing in common : A low value for the feature "Prob(text)", whereas the others have a high "Prob(text)" value

Inference : Feature Prob(text) could have a high weightage?

Analysis

Question 1: What is a synonym for develop

Correct Column : Synonym

Predicts : Synonym, Definition, Antonym, Word

Why?

All the values are pretty close

Inference : “Similarity to question words” not given as much importance as it should be given

Analysis

Question 11: Alexa what is the current Bitcoin price

Correct Column : Price

Predicts : Currency, Price

This could be counted as correct? Same for question 14 and a few others, where the table consists of only two columns

Analysis

Question 45: Alexa who is the Patriots head coach

Correct Column : Coach

Predicts : Nothing

Quite a few queries have this problem...

Analysis Summary

General Trend :

If any Numerical column = 1, our model predicts all numerical columns as 1

If any text column = 1, our model predicts all text columns as 1

If any date column = 1, our model predicts all date columns as 1