Ad-Hoc Classification of Python 2 vs 3 Questions

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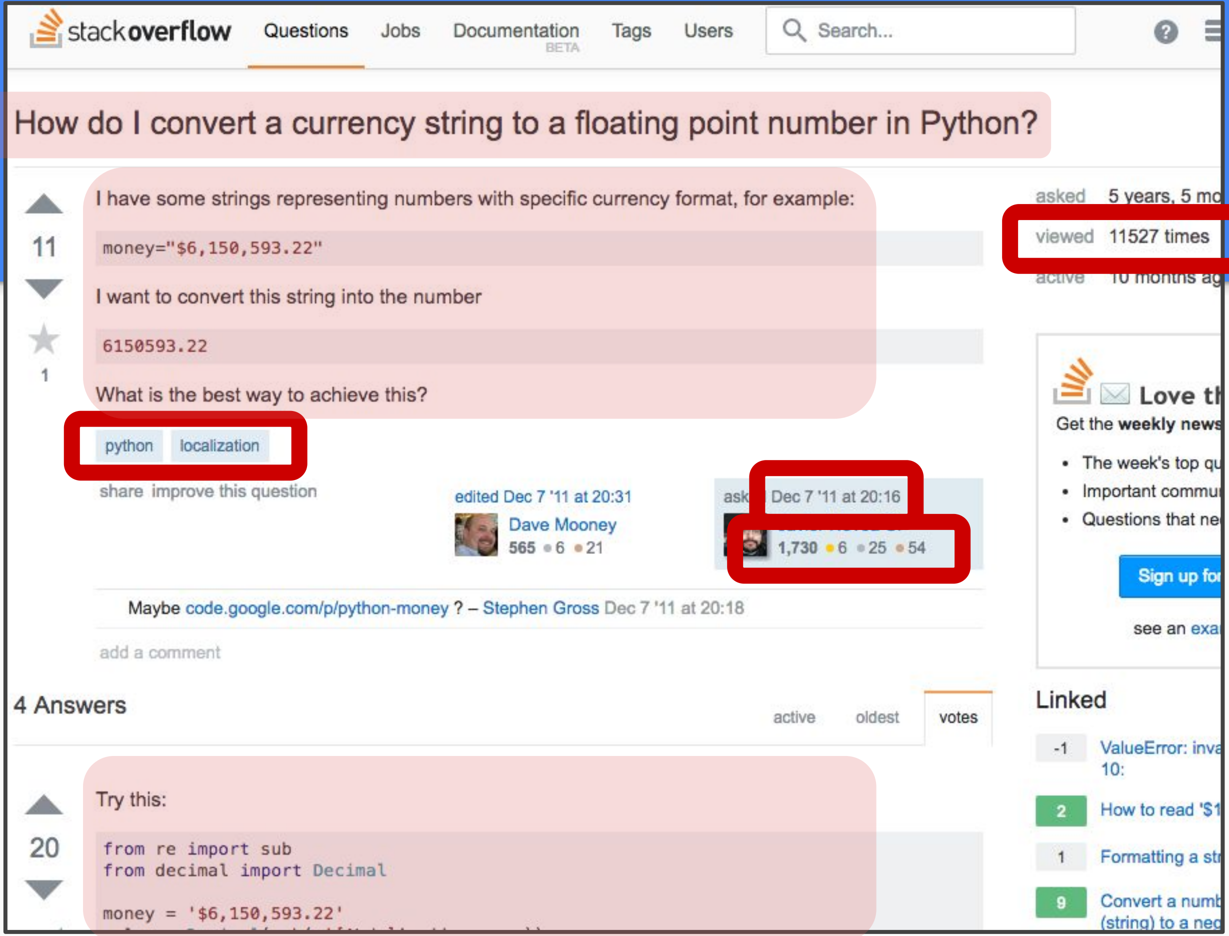
2017/05/17

Data

- Year 2014
- Questions with at least one answer

python-2.7	python-3.x	
	No	Yes
No	67839	**6809**
Yes	**7577**	655



How do I convert a currency string to a floating point number in Python?

11

1

I have some strings representing numbers with specific currency format, for example:

```
money="$6,150,593.22"
```

I want to convert this string into the number

```
6150593.22
```

What is the best way to achieve this?

python localization

share improve this question

edited Dec 7 '11 at 20:31
Dave Mooney
565 ●6 ●21

asked Dec 7 '11 at 20:16
1,730 ●6 ●25 ●54

Maybe code.google.com/p/python-money ? – Stephen Gross Dec 7 '11 at 20:18

add a comment

4 Answers

active oldest votes

20

Try this:

```
from re import sub
from decimal import Decimal

money = '$6,150,593.22'
```

asked 5 years, 5 mo
viewed 11527 times
active 10 months ag

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Linked

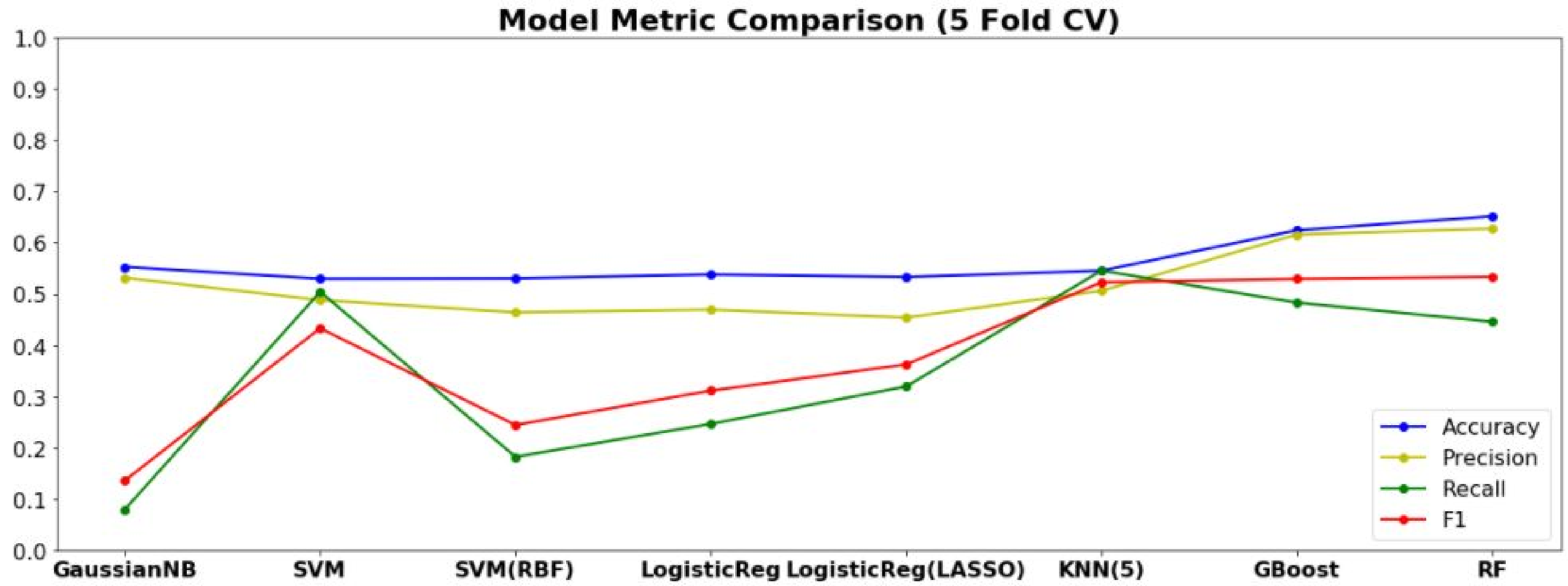
-1 ValueError: inva 10:

2 How to read '$1

1 Formatting a str

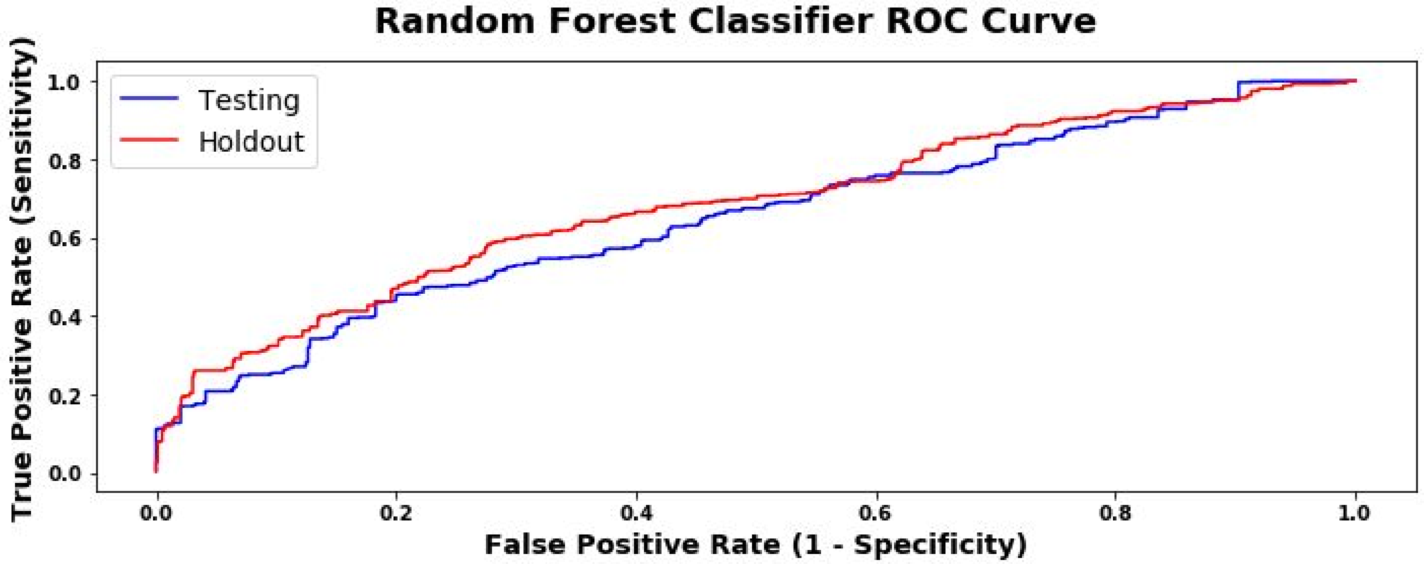
9 Convert a numb (string) to a neg

Method


Model Metric Comparison (5 Fold CV)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
GaussianNB
SVM
SVM(RBF)
LogisticReg
LogisticReg(LASSO)
KNN(5)
GBoost
RF
Accuracy
Precision
Recall
F1

Result

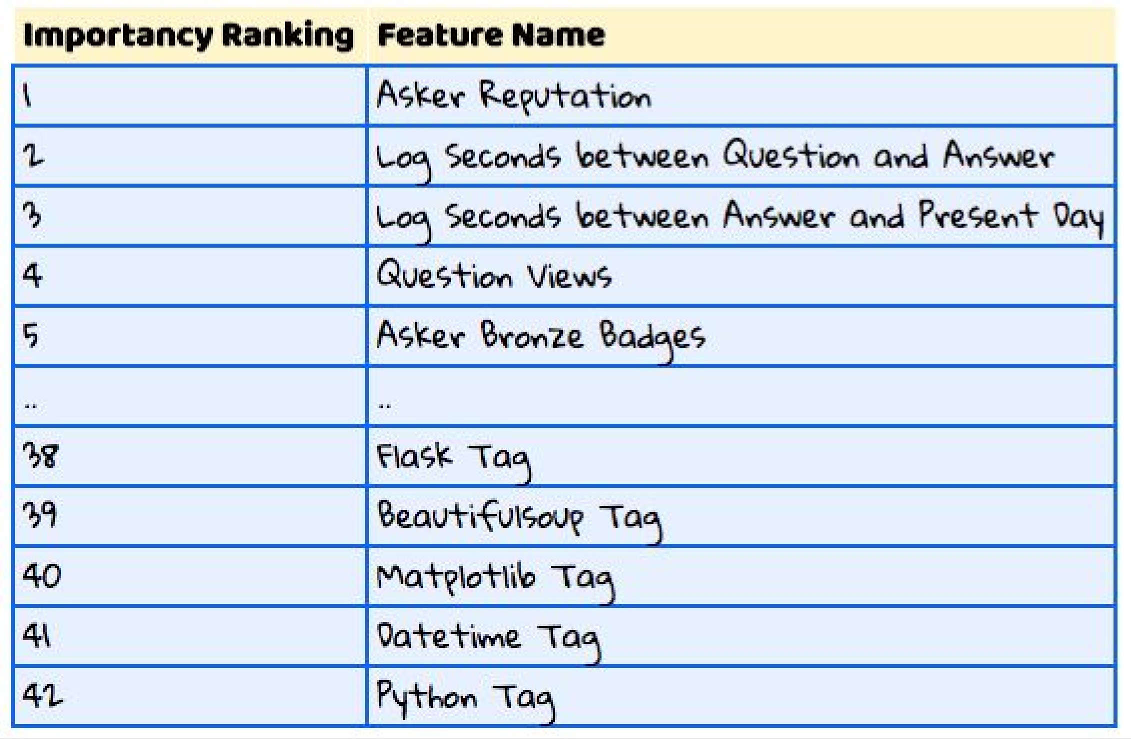
*Treating Python3 as the “event”



Random Forest 5 fold CV accuracy 0.6514 precision 0.6272 recall 0.4456 f1 0.5330 auc -.----
Random Forest testing set accuracy 0.6229 precision 0.5936 recall 0.4783 f1 0.5297 auc 0.6494
Random Forest holdout set accuracy 0.6415 precision 0.6972 recall 0.5135 f1 0.5914 auc 0.6842

Result

Holdout Set		
True Value	Prediction	
	Python 2.7	Python 3.x
Python 2.7	1848	545
Python 3.x	1189	1255



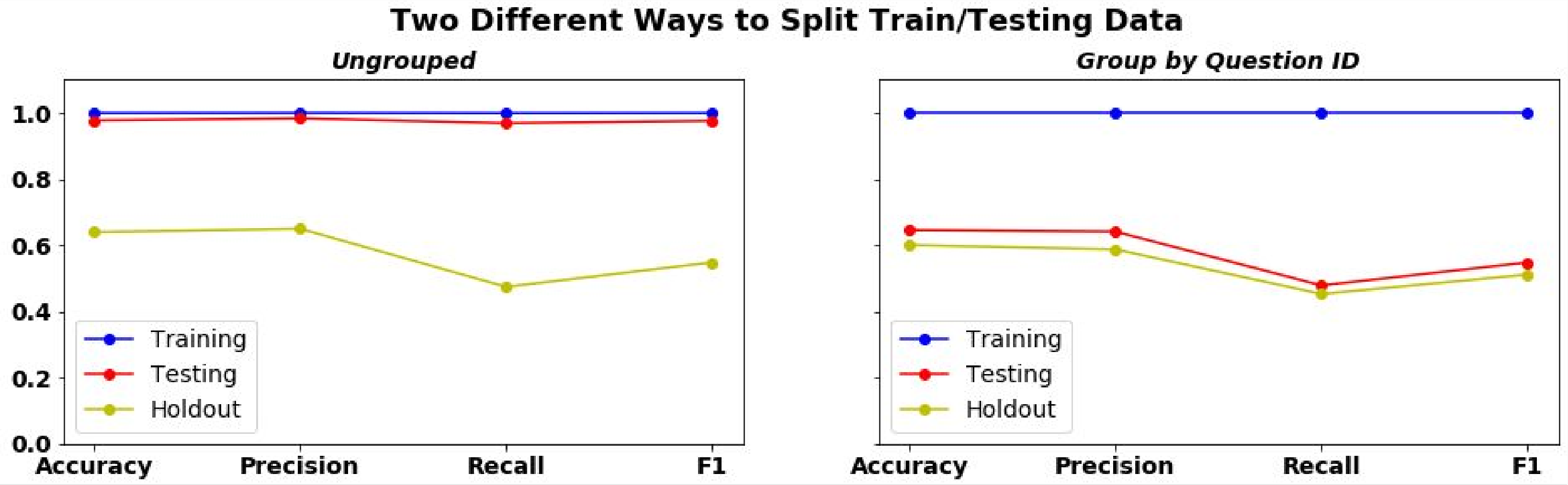
Importancy Ranking	Feature Name
1	Asker Reputation
2	Log Seconds between Question and Answer
3	Log Seconds between Answer and Present Day
4	Question Views
5	Asker Bronze Badges
..	..
38	Flask Tag
39	Beautifulsoup Tag
40	Matplotlib Tag
41	Datetime Tag
42	Python Tag

API Demo

https://youtu.be/D8_yesx0NsM

Future Work

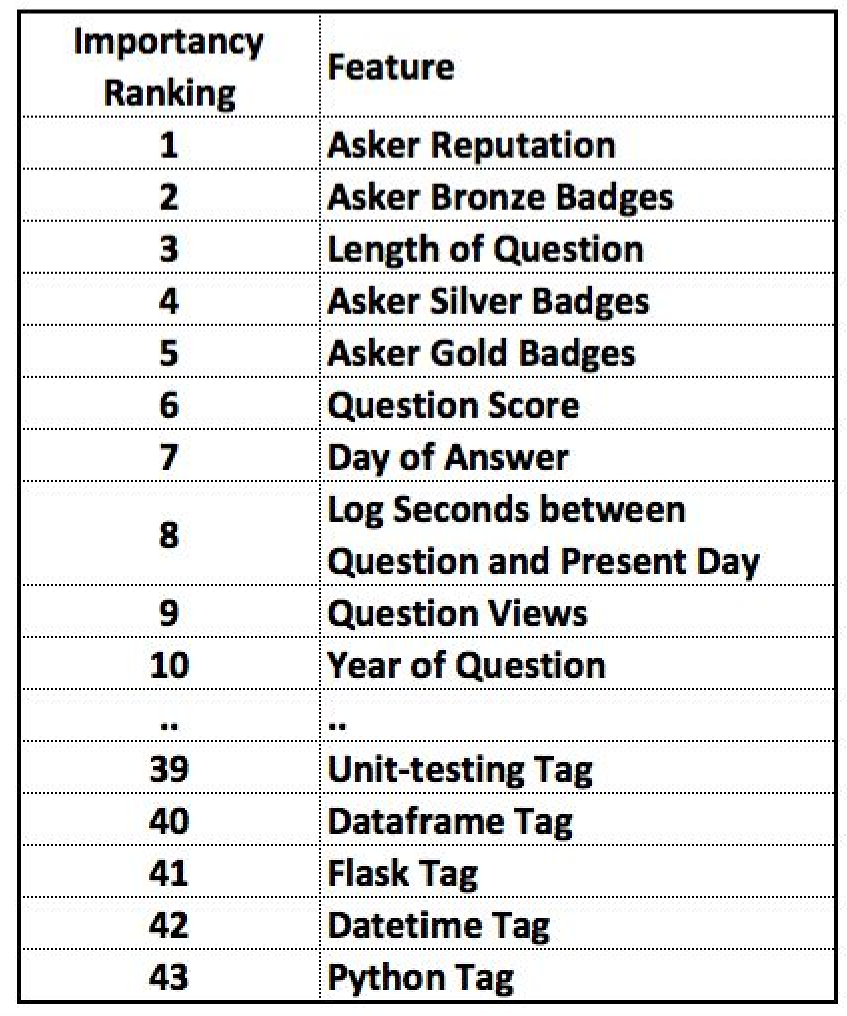
- More natural language processing (NLP)
- Grouping by question and answer aggregation



Q & A

Appendix:

A better looking feature chart



Importancy Ranking	Feature
1	Asker Reputation
2	Asker Bronze Badges
3	Length of Question
4	Asker Silver Badges
5	Asker Gold Badges
6	Question Score
7	Day of Answer
8	Log Seconds between Question and Present Day
9	Question Views
10	Year of Question
..	..
39	Unit-testing Tag
40	Dataframe Tag
41	Flask Tag
42	Datetime Tag
43	Python Tag