Home Page
The matches message in twitter

Welcome to SmartPortable

We beat our competitors in all aspects. Price-Match Guaranteed

Save $350 on the ASUS 2 in 1 15.6" Touch Screen Laptop Intel Core i5 12GB Memory 1TB Hard Drive - Sandblasted Aluminum Silver. #Deal

Save $100 on the Acer Spin 15 2 in 1 15.6" Touch Screen Chromebook Intel Pentium 4GB Memory 64GB Solid State Drive - Sparkly Silver. #Deal

The relevant products in our database

Deal Matches

Acer
169.0$

Buy Now

WriteReview

ViewReview

ASUS
399.99$

Buy Now

WriteReview

ViewReview

Recommended products

Add to cart

Twitter search result

```
[201]: import re
       for tweet in timeline:
           deal = tweet['text']
           print(deal + '\n')
```

@Nick_BDGE Preview our Black Friday specials hither. https://t.co/l9Kof98wh9

Save $100 on the Sharp 43" Class LED 1080p Smart HDTV Roku TV. #Deal

Save $150 on the Lenovo Yoga 730 2 in 1 15.6" Touch Screen Laptop Intel Core i5 8GB Memory 256GB Solid State Drive - Iron Gray. #Deal

RT @BestBuy: ❤ this tweet to get the best deals on the perfect gifts! We will alert you as soon as new #BestBuyBlackFriday deals arrive.

Save $20 on the Insignia 19" Class LED 720p HDTV. #Deal

Save $400 on the Lenovo Yoga 920 2 in 1 13.9" 4K Ultra HD Touch Screen Laptop Intel Core i7 16GB Memory 512GB SSD - Platinum. #Deal

Save $30 on the RCA RPJ129 720p Wireless LCD Projector - White. #Deal

RT @BestBuy: This holiday, we'll give your gifts a free ride. https://t.co/t2y1TYh4B4 https://t.co/dfzfCBSN3Z

The products list in database

```
print product
for tweet in timeline:
    deal = (tweet['text'])
    if (len(re.findall('\s'+product[0]+'\s',deal)) >= 1):
        dealMatchGauranteed = dealMatchGauranteed + [deal]
```

```
('Garmin',)
('apple watch nike',)
('FitBit',)
('beats',)
('bose',)
('sony',)
('Dell-Inspiron 2',)
('Pixelbook',)
('SamsungPlus2',)
('Acer',)
('dell 7900',)
('ASUS',)
('Poof',)
('GalaxyS9',)
('LG-stylo4',)
('MotoG6',)
('Nokia',)
('IphoneX',)
('Samsung-galaxy watch',)
('Samsung-gear',)
('Oculus Go',)
('Google Daydream',)
('PlayStation-VR',)
('lenovo',)
('Echo',)
('Google Home',)
('Echo Show',)
```

The relevant messate

```
# Sanity Test that we got some deals
dealMatchGauranteed[:5]
```

[u'Save $250 on the Google Pixelbook 12.3" Touchscreen Chromebook Intel Core i5 8GB Memory 128GB Solid State Drive - Silver. #Deal',
 u'Save $100 on the Acer Spin 15 2 in 1 15.6" Touch Screen Chromebook Intel Pentium 4GB Memory 64GB Solid State Drive - Sparkly Silver. #Deal',
 u'Save $170 on the Acer Mixed Reality Headset and Controllers for Windows PCs - Blue . #Deal',
 u'Save $350 on the ASUS 2 in 1 15.6" Touch Screen Laptop Intel Core i5 12GB Memory 1TB Hard Drive - Sandblasted Aluminum Silver. #Deal',
 u'Save $300 on the ASUS 2 in 1 14" Touch Screen Laptop Intel Core i5 8GB Memory 1TB Hard Drive - Sandblasted Aluminum Silver. #Deal']

recommended result

```
        user_ratings.sort(key=lambda x: x[1], reverse=True)
        top_n[uid] = user_ratings[:n]

    return top_n

# First train an SVD algorithm on the movielens dataset.
data = Dataset.load_from_file(file_path, reader=reader)
trainset = data.build_full_trainset()
algo = SVD()
algo.fit(trainset)

# Than predict ratings for all pairs (u, i) that are NOT in the training set.
testset = trainset.build_anti_testset()
predictions = algo.test(testset)

top_n = get_top_n(predictions, n=3)

# Print the recommended items for each user
for uid, user_ratings in top_n.items():
    print(uid, [iid for (iid, _) in user_ratings])

out = open(pr_file_path+'/matrixFactorizationBasedRecommendations.csv', 'wb')
output=csv.writer(out)

for uid, user_ratings in top_n.items():
    output.writerow([uid, [iid for (iid, _) in user_ratings]])

out.close()
```

```
('customer', ['LG-stylo4', 'dell 7900', 'Samsung-gear'])
('customer03', ['GalaxyS9', 'PlayStation-VR', 'bose'])
('customer04', ['Samsung-gear', 'dell 7900', 'Echo'])
```

Training and test set