

## Part 1 :

Use function `get_HITS_Rank(filename)`. Put the filename be the folder where the “tweets.txt” is located. It may takes about 10-15s to get the result.

**TOP 10 Hub**

```
('GGDEMIT', 0.04331380078710698)
('akgencistpendik', 0.04331380078710698)
('SmBuddy23', 0.03937618253373362)
('MSCLondon', 0.03937618253373362)
('rtmcclure', 0.035438564280360255)
('DhHalbert', 0.035438564280360255)
('NickClappsy', 0.035438564280360255)
('joe_makinmoney', 0.035438564280360255)
('elsaidst', 0.035438564280360255)
('Horlarlake1', 0.035438564280360255)
```

**TOP 10 Authority**

```
('YouTube', 0.3099949592320808)
('GainFollowers_s', 0.2944353666837525)
('Damnlts_True_', 0.25254415597671453)
('ChillHumOr', 0.24057523863184657)
('Harry_Styles', 0.17953376017301984)
('NiallOfficial', 0.14841457507636308)
('Michael5SOS', 0.14362700813841586)
('justinbieber', 0.13405187426252144)
('Louis_Tomlinson', 0.1328549825280347)
('Luke5SOS', 0.13165809079354787)
```

## Part 2: (kernel="linear", C=0.2)

Use `getSVM()` to get the result directly. You do not need to pass any parameters if the `getSVM.py` file is in the same folder with `fold1`, `fold2` and `fold3`. If not, you may need to change the directory path in the function `getSVM()`

## Fold 1

Accuracy: 0.921914357683

```
['Feature 18', 1.7867179398894517]
['Feature 34', 1.2920459433056271]
['Feature 16', 0.77007568541032378]
['Feature 36', 0.68843648319134032]
['Feature 13', -0.6489077604675636]
```

['Feature 32', 0.61540380758708246]  
['Feature 27', 0.57203004920048461]  
['Feature 14', 0.5376550532620239]  
['Feature 24', -0.50215746301370878]  
['Feature 20', 0.49393097799394209]  
Fold 2

Accuracy: 0.830379746835

['Feature 18', 1.7622044293398949]  
['Feature 16', 1.3181848532991016]  
['Feature 34', 1.0994456031819506]  
['Feature 32', 0.90457971549329252]  
['Feature 27', 0.64092833127634807]  
['Feature 36', 0.5950790285752422]  
['Feature 11', 0.54680048663216196]  
['Feature 15', 0.53254430877990688]  
['Feature 9', -0.47541140016426259]  
['Feature 35', -0.46085184707350535]  
Fold 3

Accuracy: 0.856801909308

['Feature 18', 2.071216181302507]  
['Feature 34', 1.5973295559928549]  
['Feature 32', 0.8368433240796489]  
['Feature 20', 0.73214432099259952]  
['Feature 16', 0.65592246239052943]  
['Feature 15', 0.63328698293741126]  
['Feature 11', 0.63018866952376196]  
['Feature 17', -0.55067209362788916]  
['Feature 13', -0.53741091161053489]  
['Feature 1', -0.498133047573531]