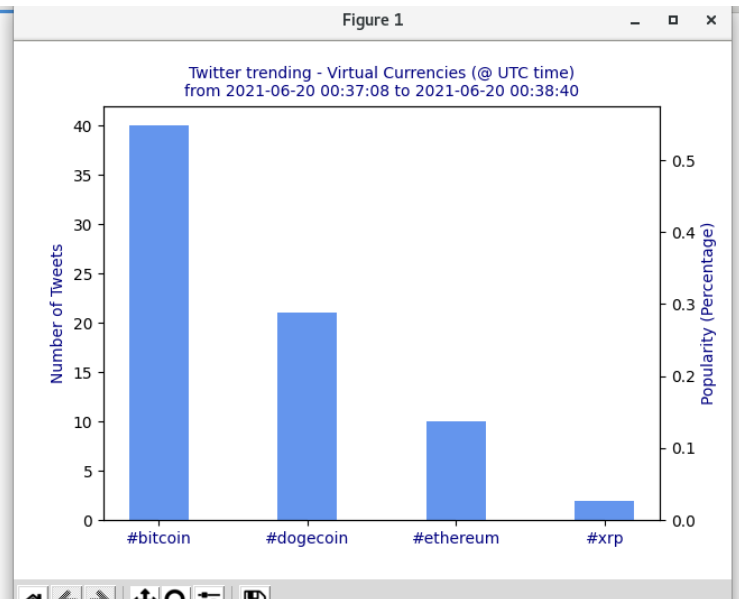


## Sample plots

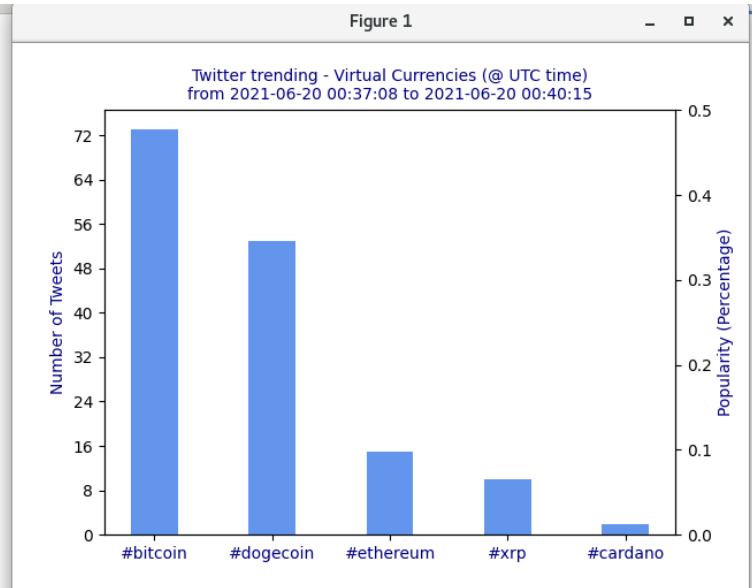
A

```
#xrp 1
#dogecoin 16
----- 2021-06-20 00:38:20 -----
#ethereum 9
#xrp 1
#dogecoin 17
#bitcoin 32
----- 2021-06-20 00:38:25 -----
#ethereum 9
#xrp 1
#bitcoin 33
#dogecoin 19
----- 2021-06-20 00:38:30 -----
#ethereum 9
#bitcoin 35
#xrp 1
#dogecoin 19
----- 2021-06-20 00:38:35 -----
#ethereum 9
#xrp 1
#dogecoin 20
#bitcoin 38
----- 2021-06-20 00:38:40 -----
#ethereum 10
#xrp 2
#bitcoin 40
#dogecoin 21
----- 2021-06-20 00:38:45 -----
#ethereum 10
```



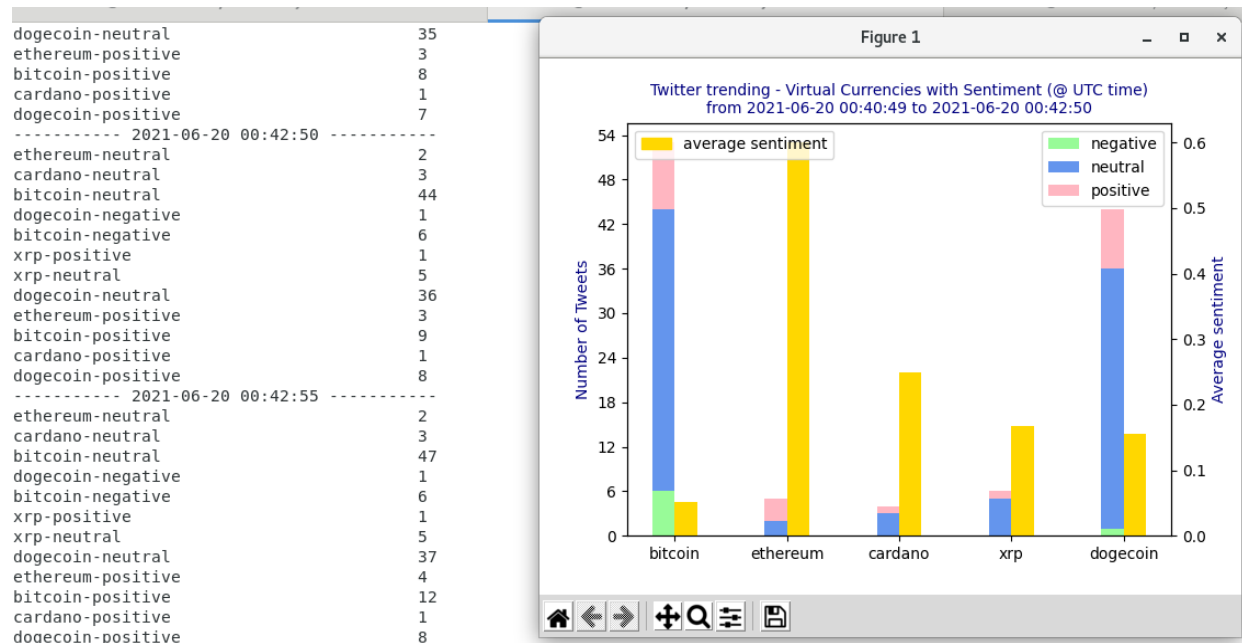
a.txt and bar chart

```
#cardano 0.02
----- 2021-06-20 00:39:55 -----
#bitcoin 0.46
#dogecoin 0.35
#ethereum 0.11
#xrp 0.08
#cardano 0.02
----- 2021-06-20 00:40:00 -----
#bitcoin 0.45
#dogecoin 0.36
#ethereum 0.10
#xrp 0.07
#cardano 0.01
----- 2021-06-20 00:40:05 -----
#bitcoin 0.47
#dogecoin 0.34
#ethereum 0.11
#xrp 0.07
#cardano 0.01
----- 2021-06-20 00:40:10 -----
#bitcoin 0.48
#dogecoin 0.34
#ethereum 0.10
#xrp 0.07
#cardano 0.01
----- 2021-06-20 00:40:15 -----
#bitcoin 0.48
#dogecoin 0.35
```

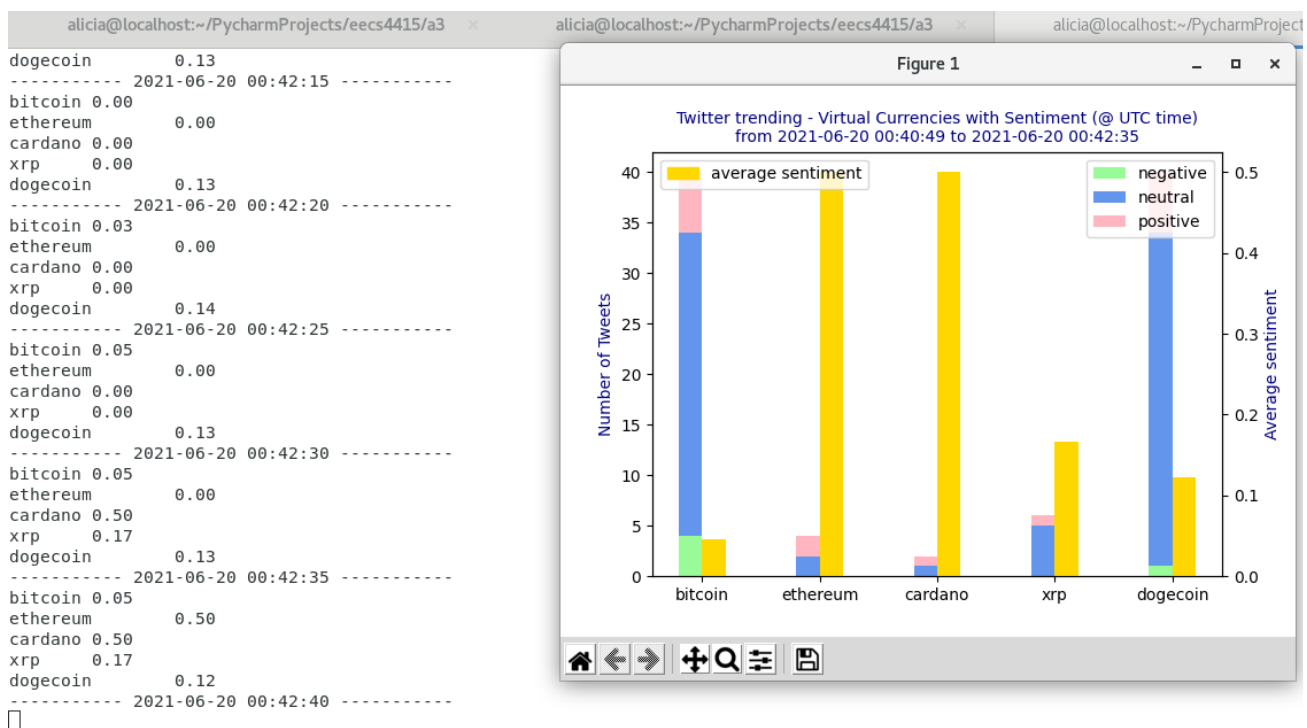


popularity.txt and bar chart

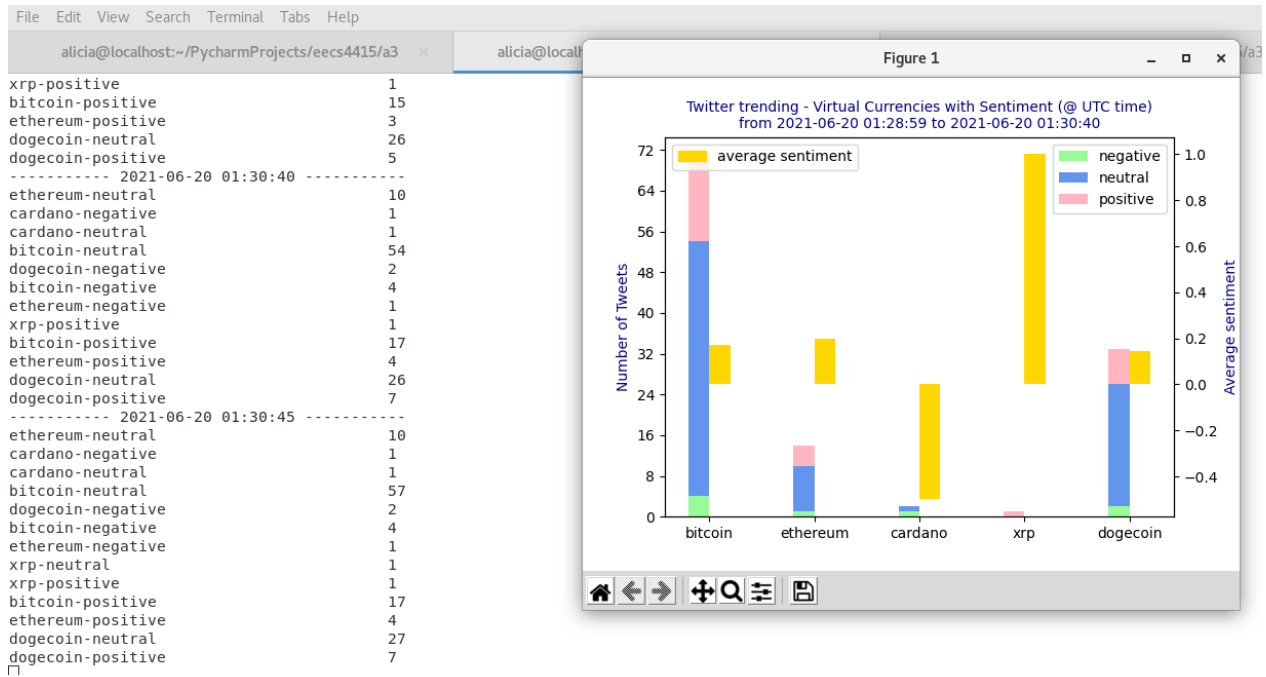
B



b.txt and bar chart



averageSentiment.txt and bar chart



bar chart when some average sentiment is negative