Week 4

☑ Finish calculating the first emergence of one post date

（这里有一个话heatmap的问题）

☑ Correct the mistake of results generated from last week.

☑ 修改之前关于pull request 比例的问题 （没有加入Pr的问题)

☑ 为什么两种计算average 得到的值不一样, 研究一下，通过画图 (partially done)

☑ Introduce the variance as one metric for the event/emoji

Explore top repo

Result

Task 1:

It is done with only comments

对于未去除所有comment has_emoji 均为false的情形：

- 平均回复长度(average response issue comment): 20.116163373833356
- median回复长度：13.0

所有issue里面有conversation的占比：0.06581247479974507

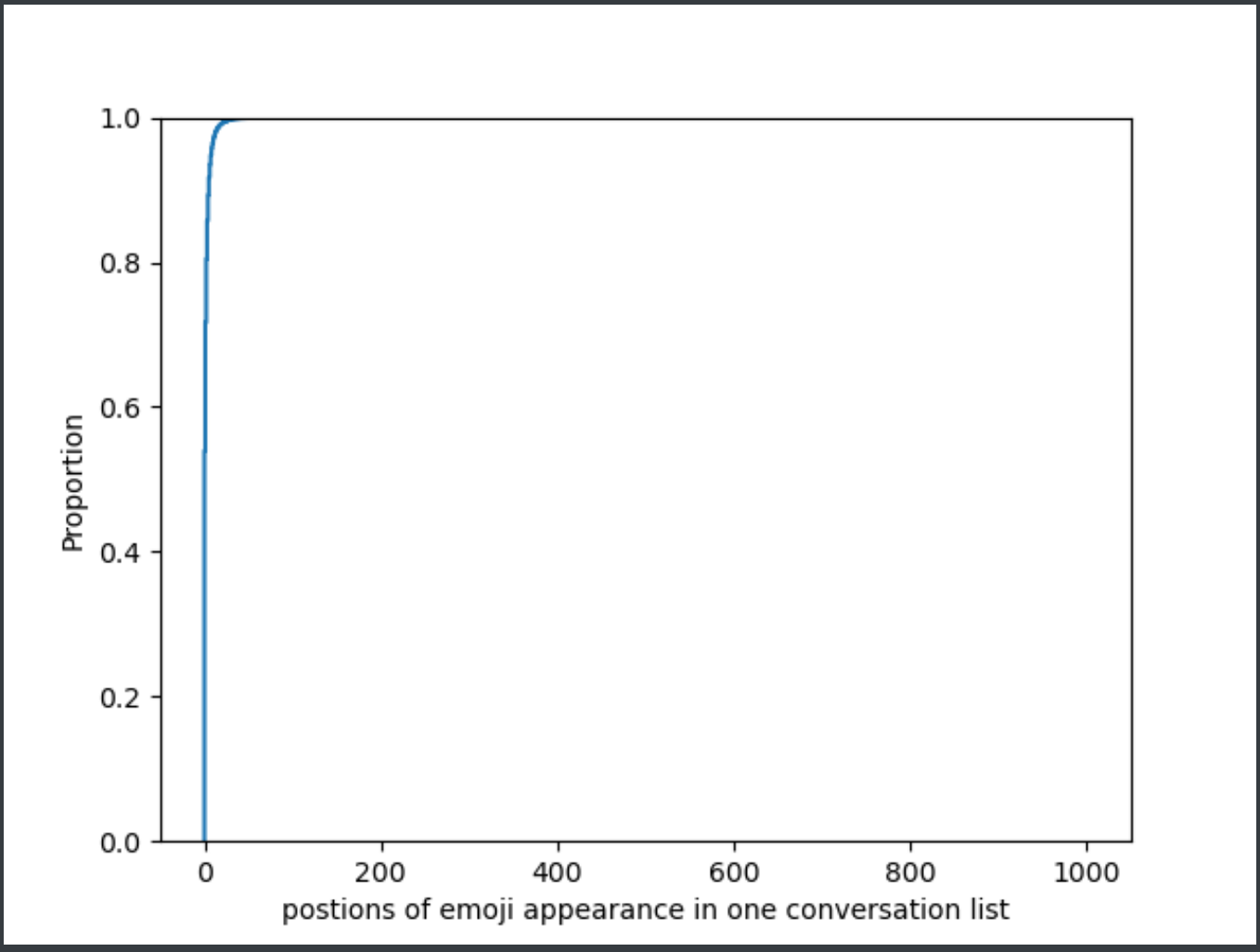
对于已经去除的情形：
In total Issue: 709381

- 平均回复长度：35.34
- median回复长度：19.0
  -[] 分类讨论

Postion data of emoji appearance

- Max: 2217
- Median: 2.0
- Mean: 7.33575760553979

  总的分布图如下图如下：



Positions of emoji first appearance:

- Max 1001

- Median: 0
- Mean: 1.7502678605459414

-[ ] 分两类 issue has emoji/ no emoji

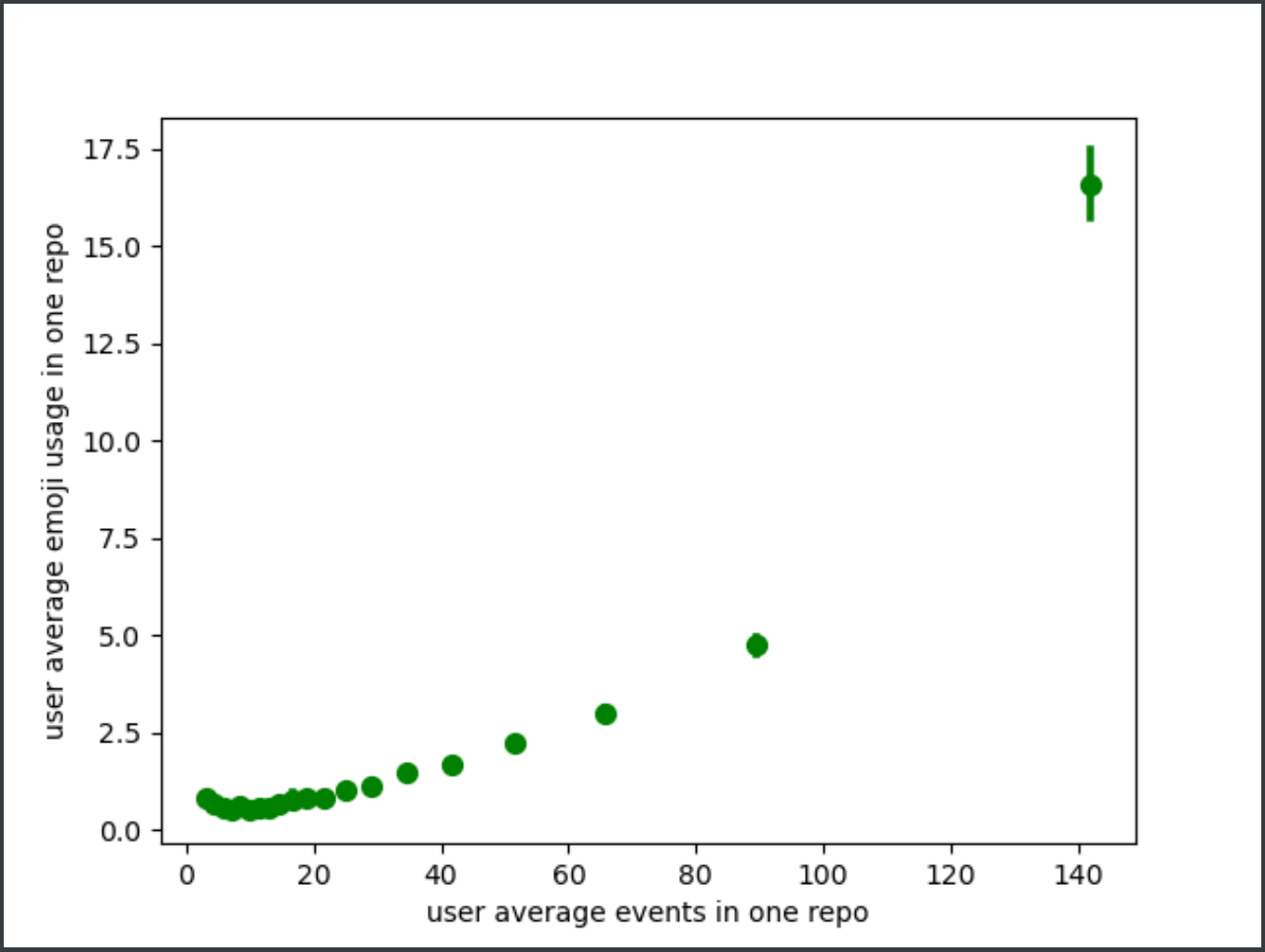
-[] 对repo进行聚类分析，什么样的repo会比较早的出现emoji？根据comment里出现emoji的早晚

-[] repo里面连接是否紧密 是否和vector有相关性的，indicator 图的连通性

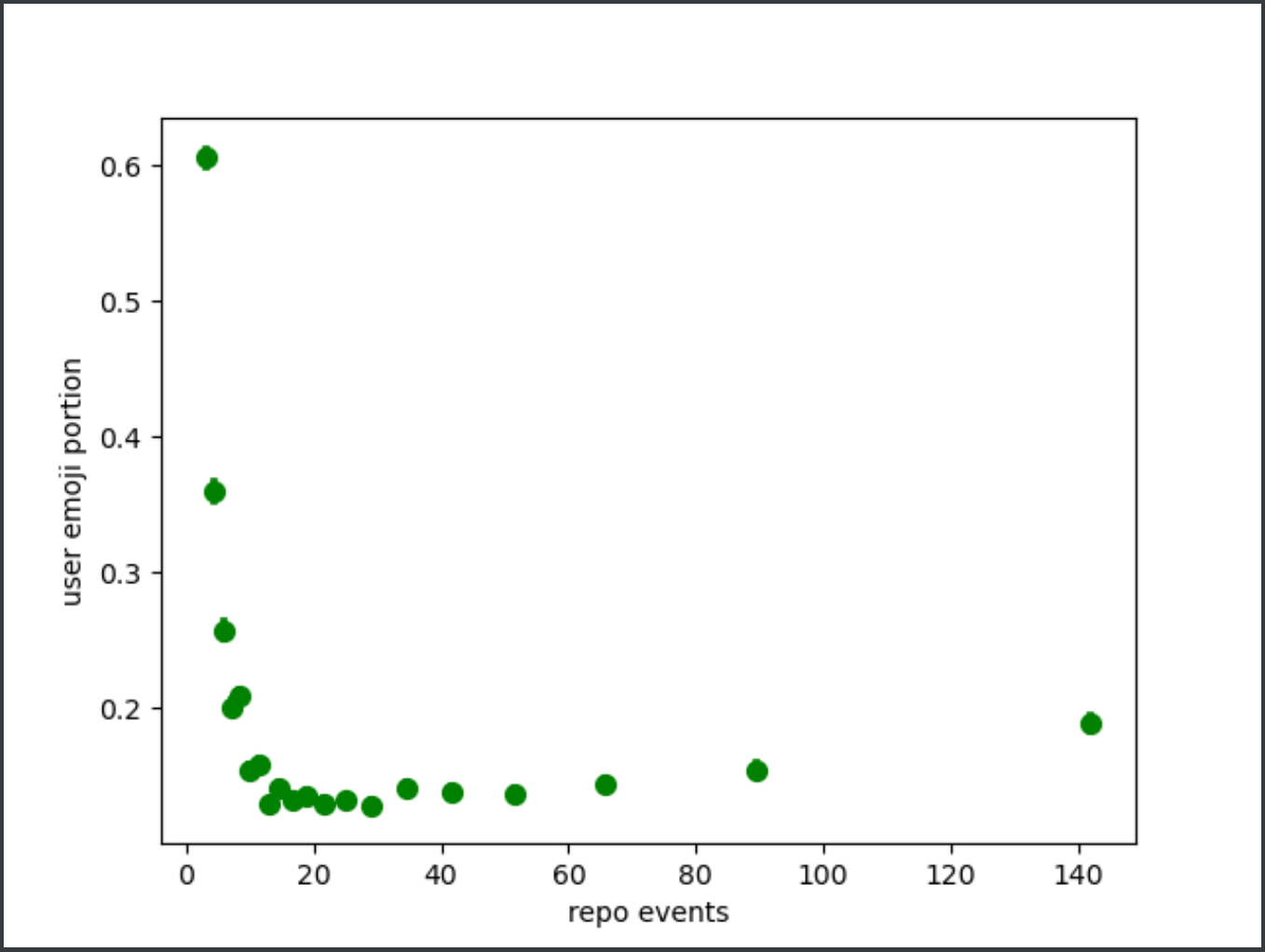
Task 2 (task 4 included):

Method: Calculate comment based on issue and PR

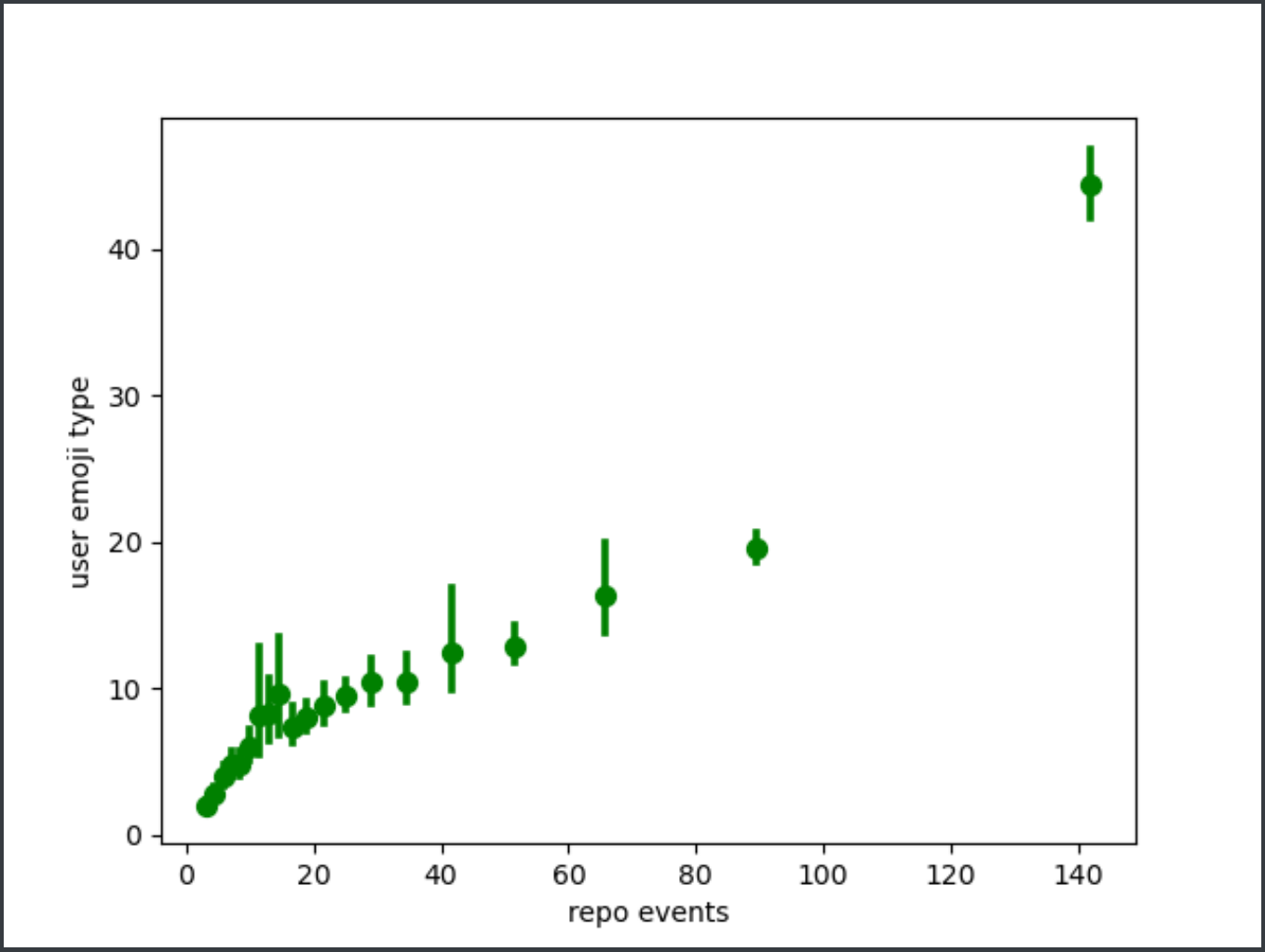
X: the user number in one repo Y: average emoji usage p



X: the user posts containing emoji proportion in one repo, Y: user average events in one repo (marked)

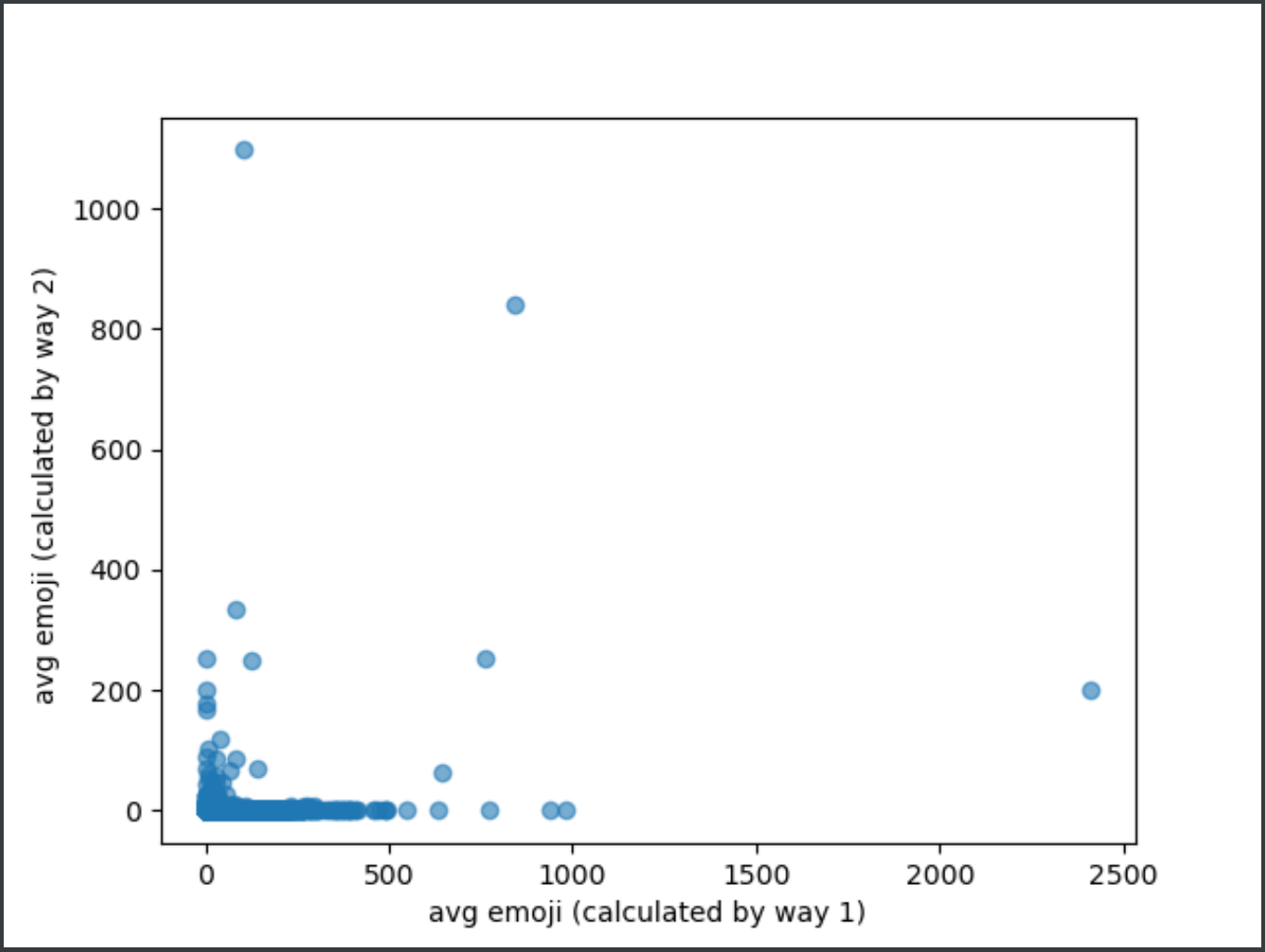


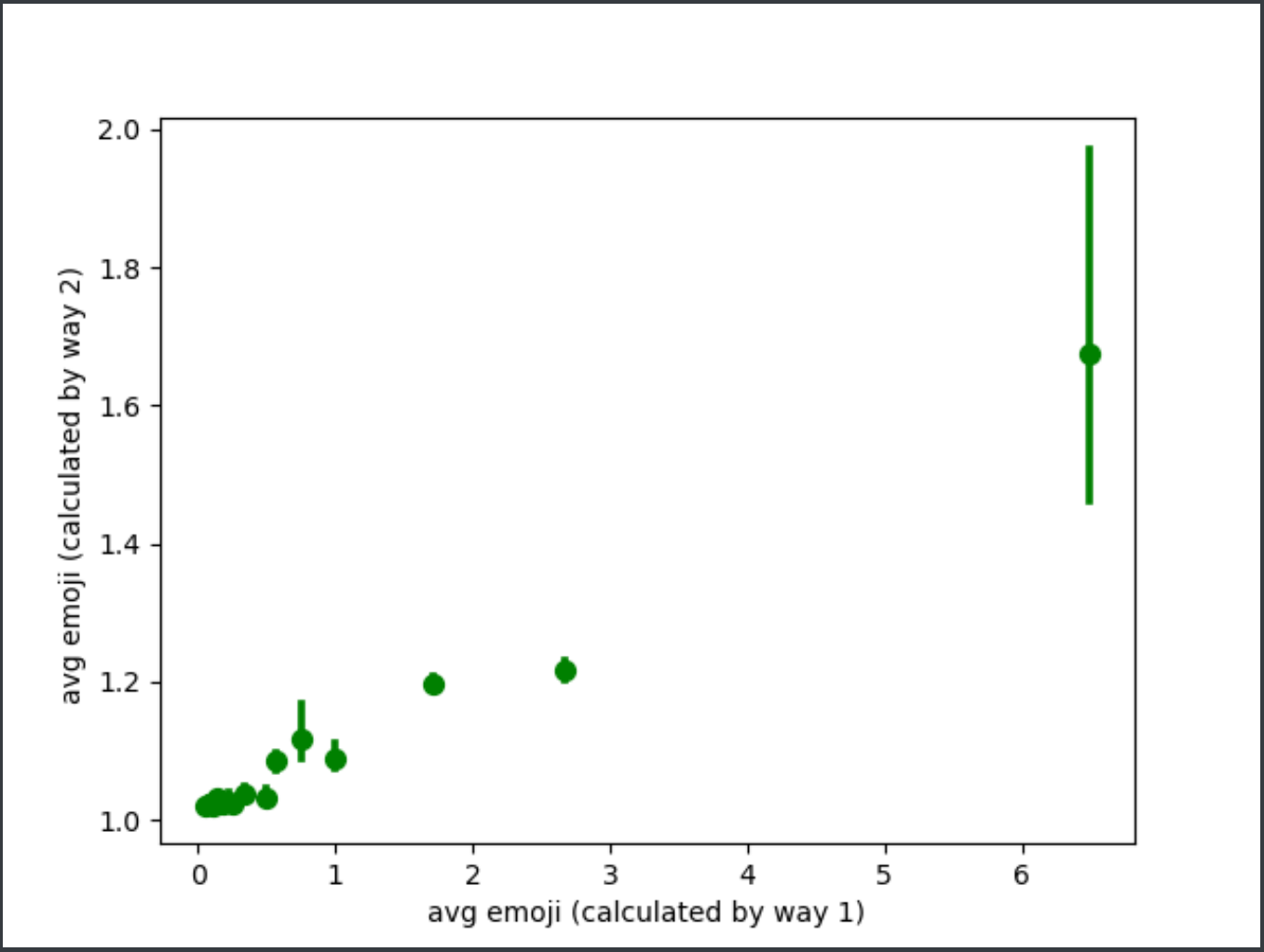
X: user average events in one repo vs Y: Average Type of Emoji usage



Task 3:

目前看是正相关,但散点图上看出qushi


avg emoji (calculated by way 2)
1000
800
600
400
200
0
0
500
1000
1500
2000
2500
avg emoji (calculated by way 1)



-[] 两张图为什么趋势相反

Task 5:

Finished, but plot not ready at present