Scientific Computing

Start programming in Python

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2020-04-02

Latest version available on Github, this PDF is version 85952a7.

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Organizational matters

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- Please participate in writing today's lecture notes:
  https://yourpart.eu/p/lecture-scientific-computing03-notes

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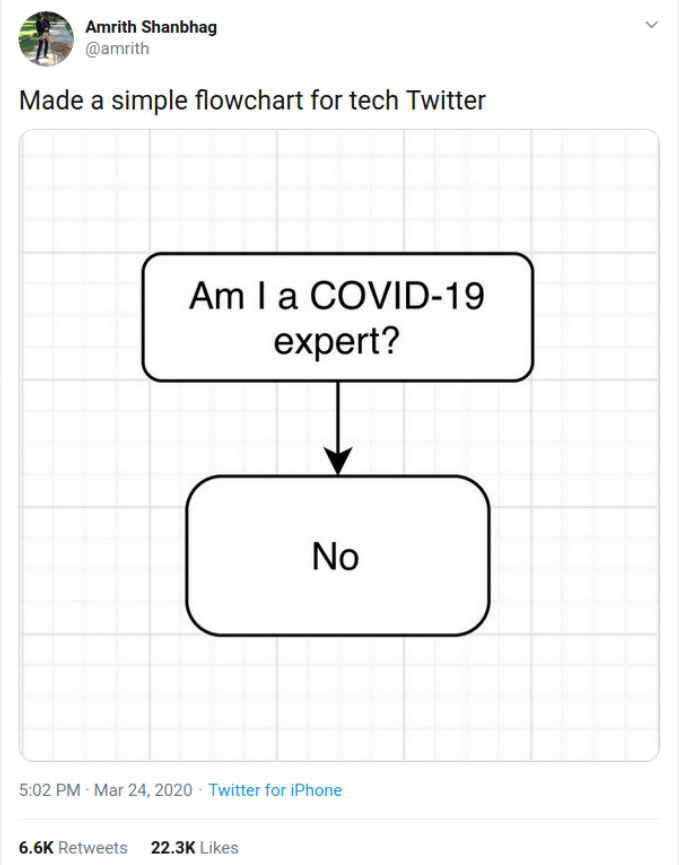
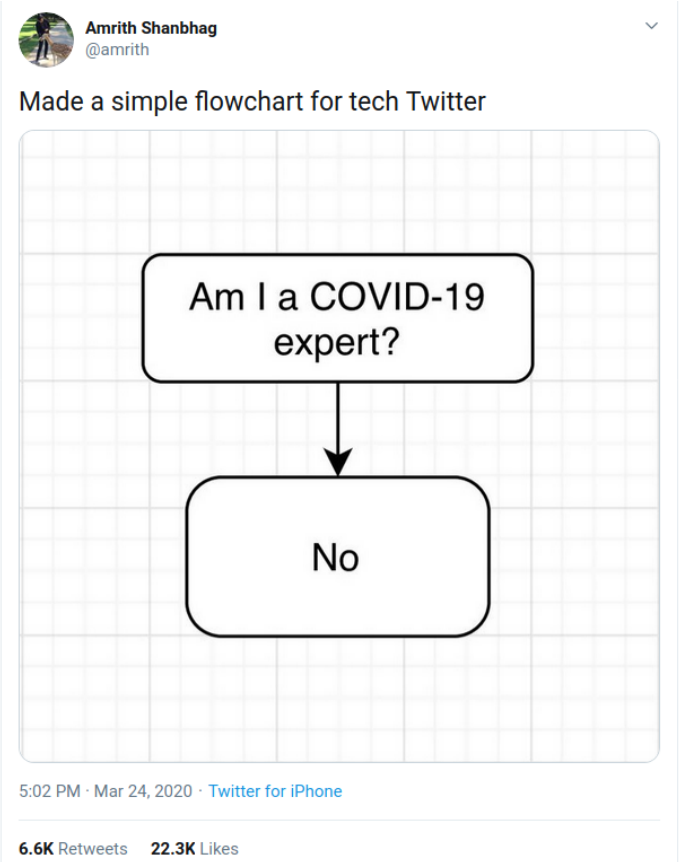
  https://yourpart.eu/p/lecture-scientific-computing03-notes
- Glossary:
  https://yourpart.eu/p/lecture-scientific-computing-glossary

Disclaimer


Amrith Shanbhag
@amrith
Made a simple flowchart for tech Twitter
Am I a COVID-19 expert?
No
5:02 PM · Mar 24, 2020 · Twitter for iPhone
6.6K Retweets
22.3K Likes

Disclaimer



Disclaimer: Models used in this lecture are highly simplified and supposed to serve as examples to study Python. Don't use models as prediction. If you do your own data analysis on important topics, compare it with other published studies.

Source: https://twitter.com/amrith/status/1242481942026530817

Python introduction

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See Jupyter notebook:
lecture03.ipynb

Homework assignment

Homework assignment

- Fetch the latest changes from the upstream repository, to get the homework Notebook:

```
cd path/to/homework-scientific-computing
git pull --no-edit upstream master
git push
```

- Start Jupyter and solve the exercises in the notebook: homework03.ipynb.
- Commit the notebook file and push it to your fork.

To avoid merge conflicts, you can either commit a copy of the notebook and add your Github name to the filename or solve the exercises together with your group members and `git pull` before starting to work on the notebook and `git push` before the next group member starts working on it.