**Assistance from**

|  |  |
| --- | --- |
| * 1-on-1 tutor Jesse Wright | * Office hours |
| * Tuition session with Michael Wenz | * ChatGPT |

**YouTube Videos & Cheat Sheets**

**from Mark Jenson**: MatPlotLib Resources:

* [NumPy](http://url1573.bootcampspot.com/ls/click?upn=NrHuO-2Bw6AvD3g0WgY3sYtY0v1hCZu1TRXiYBhr8-2B2Ik-3Dg6N__yNRBD6oYCC4Q2oCzDO9te2UwjKXZOk8UDUlqB3f9sNe2ym3Y9HdhMy-2BWYN6ffU3UqBp0ogssmUlSjpvtn-2FcNHMFLNIuOes1oS50UxnFqMOlNNUhz6M1NNrW8IAUkD2q9-2B1hwl30aPzTNF0FKpScvITdwFuCyM4zn9vN5ZHchAo-2BKy4-2BbKowbSSbBcIev1TJmECKPNRqCzI2dqMpo-2FMiiXw-3D-3D)
* [Matplotlib Gallery](http://url1573.bootcampspot.com/ls/click?upn=zZ9isbxdmSyhQs8zZnactEydZBzKj5Z4YcGlknJqgkf7Mn-2FVoHsk2QdhZt2-2BwTtk1PBb_yNRBD6oYCC4Q2oCzDO9te2UwjKXZOk8UDUlqB3f9sNe2ym3Y9HdhMy-2BWYN6ffU3UGGT8TRUIGU9SwbpQId1dr573D-2B0Yfa14lOK1ChK4M0vzOj-2FaDieYWUS3SPg425kHvyFjZxUmAxwGQXLsBBb4EcD2wOD6D6DyZxR2GeSyfig1v24dp1saXofkWIEgry3Ik5ZNvzDXyFWfsoRelo6j1A-3D-3D)
* [Pandas Plotting](http://url1573.bootcampspot.com/ls/click?upn=zZ9isbxdmSyhQs8zZnactPhPKJbIPOmlOr08UYbarf3MEQlimKUt69-2FrGUMFIpt4P5ZgEOlX6abterL-2FyfSnegkFWOfesx-2FdMGiPADD5RV0-3Dh7rg_yNRBD6oYCC4Q2oCzDO9te2UwjKXZOk8UDUlqB3f9sNe2ym3Y9HdhMy-2BWYN6ffU3UNyWxsdXypJmBg8YVqMCJTSL2Nupl6trtvTYXhdxO5pJrY1i3fjgTG5y9dHFZr1eXpXKOXWT8GHiaA1Wt6Tk7L6mJwyeewrsGZGtrYMTtNHRQ1OSgKhjclXaeg5y0eK49jjucGGWmmRRFDXQ3SiJscg-3D-3D)
* [Storytelling with Data - Alternatives to Pie Charts](http://url1573.bootcampspot.com/ls/click?upn=NrHuO-2Bw6AvD3g0WgY3sYtc3v9k73TR5LoNKE-2FUHmi5pMNC-2F2noVkIBDf0zKdmpHz0L2biEgUOYnVKdIGVsKUcrQ2HdrdIh4gA1Jum-2BOgKdA-3DZTTT_yNRBD6oYCC4Q2oCzDO9te2UwjKXZOk8UDUlqB3f9sNe2ym3Y9HdhMy-2BWYN6ffU3UUnfMiLjyqYcgt2B0Mo8tSyRHcoEtkjB5LDw3iDSlqndWlh-2F61zgAgUs38JEnbDX2IoKmGK8UhJ2j2PfECDQuNfvQQizVY47eeZwdFMSFyLLFCFZawAIBwF8gZEaRMB98dpdMUa-2FIYdpHmRIs7L0hEA-3D-3D)

**Matplotlib for beginners:** <https://matplotlib.org/cheatsheets/handout-beginner.pdf>

**An introduction to Matplotlib:** <https://www.simplilearn.com/tutorials/python-tutorial/matplotlib>

**Matplotlib cheatsheets and handouts:** <https://matplotlib.org/cheatsheets/>

**Using Matplotlib:** <https://matplotlib.org/stable/users/index>

**Python For Data Science Cheat Sheet NumPy Basics:** <https://assets.datacamp.com/blog_assets/Numpy_Python_Cheat_Sheet.pdf>

**NumPy Cheat Sheet: Data Analysis in Python:** <https://www.datacamp.com/cheat-sheet/numpy-cheat-sheet-data-analysis-in-python>

**Data Wrangling with pandas Cheat Sheet:** <https://pandas.pydata.org/Pandas_Cheat_Sheet.pdf>

**In-Class Activities**

Module 4 \_ Class 2 \_ Activities 01 & 02 for loc & iloc

Module 4 \_ Class 2 \_ Activities 06 & 07 for GroupBy

Module 5 \_ Class 1 \_ Activities 02, 09, 10, 11 & 12

Module 5 \_ Class 2, Activities 07, 08, 10

Module 5 \_ Class 3, Activities 02, 03, 06, 08, 09