

DAT Installation Schedule

The following table is a class-by-class breakdown of the libraries that will be introduced for each session. Please use this as a reference and make sure you've installed them before class begins that day.

Class	Topic	Libraries / Tools Introduced	Included in Anaconda?	Installation Instructions
1	Class Intro, Git Setup	Git	No	https://git-scm.com/book/en/v2/Getting-Started-Installing-Git
2	Python Foundations	None	N/A	N/A
3	Working With API Data	Requests	Yes	https://requests.readthedocs.io/en/latest/user/install/#install
4	Web Scraping	Beautiful Soup	Yes	https://www.crummy.com/software/BeautifulSoup/bs4/doc/#installing-beautiful-soup
5	Pandas Intro	Pandas	Yes	https://pandas.pydata.org/getting_started.html
6	Pandas Crash Course	N/A	N/A	N/A
7	Pandas – Grouping/Merging	N/A	N/A	N/A
8	Pandas – Time Shifts	N/A	N/A	N/A
9	Data Visualization	Plotly	No	https://plotly.com/python/getting-started/
10	ML Intro	SciKit Learn	Yes	https://scikit-learn.org/stable/install.html
11	GBM Intro	N/A	N/A	N/A
12	Data Encoding	CategoryEncoders	No	https://contrib.scikit-learn.org/category_encoders/
13	Model Validation	N/A	N/A	N/A
14	Partial Dependence	PDPBox	No	https://pdpbox.readthedocs.io/en/latest/
15	Classification	Xgboost	No	https://xgboost.readthedocs.io/en/latest/build.html
16	Classification	N/A	N/A	N/A
17	Data Application	Streamlit	No	https://docs.streamlit.io/en/stable/
17	Data Application	Heroku	No	https://devcenter.heroku.com/articles/getting-started-with-python#set-up
18	Deep Learning Intro	Tensorflow/ Keras	No	Will be accessed via cloud

19	Neural Net Deep Drive	N/A	N/A	N/A
20	Transfer Learning	Tensorflow Hub	No	Will be accessed via cloud
21	Neural Net Application	N/A	N/A	N/A