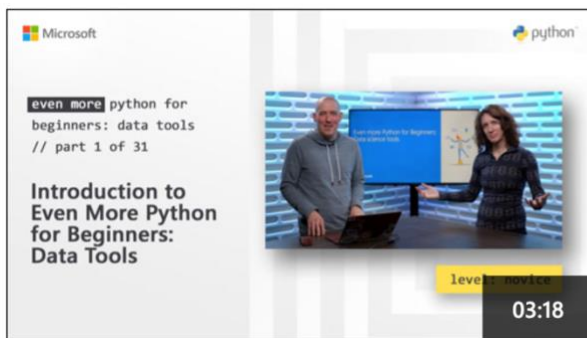




WEEK 2 TASKS – CONNECTING THE DOTS

1. Interns who are new to Python Data Science ecosystem (pandas, plotting, numpy & scikit-learn) need to go through these wonderful videos from Microsoft that we have specially curated for you:



Introduction to Even More Python for Beginners - Data Tools | Even More Python for...

Apr 30, 2020 at 4:30PM
by Susan Ibach, geektrainer

Python is one of the most popular languages for data scientists and those focused on machine learning. Join Christopher and Susan as they walk you through some of the core skills you'll need to have...

These are short videos and the total length is less than 2.5 hrs. They will make you feel very confident with the fundamentals of Python Data Science Ecosystem including modeling. To reiterate its less than 2.5 hrs! And there is the best time to strengthen your fundamentals while you are doing this internship.

2. Along with the Week-2 tasks you will be provided with Ureka Machine Learning handouts that covers the fundamentals of Machine Learning that will be helpful to solve the task for this week. These handouts would help you in gaining more insights into ML Algorithms, validation strategies, Math intuition etc. You will keep on getting additional handouts as your Internship progresses.

So, an ideal path could be one of the following:

- a. Interns who are new to Data munging & Machine Learning can watch the Microsoft videos from point 1 then start with your week 2 tasks and in parallel can refer to Ureka handouts. Do not worry if you do not understand a few things here and there, remember that practice makes perfect! Please ask questions to your colleagues or your Mentor on getting stuck at any point.

- b. Interns who are already familiar with Machine Learning pipelines can directly attack the problems and can go through Ureka handouts for gaining more insights into pipelines, Algorithms, Math intuition etc. Microsoft videos maybe optional for you.

3. Group Work will start from Week 2 onwards

We will start with **non-mentored** group work from Week 2 onwards. It will work as follows:

1. During the session on Tuesday, 9th June you will be informed about your groups. There would be about 5 interns in each group, and we would provide the contact details of each group member. They are free to communicate with each other via, email, Zoom, etc. - anything that all group members mutually agree between themselves.
2. All members of the group would have to collaborate on their own without the presence of their mentor to do the following:
 - a. Discuss the problems faced by each member in completing the weekly task and how they overcame them. The idea here is that the group members discuss and help each other in overcoming some of the problems they are facing individually.
 - b. Select one member whose work will be presented in the Monday call to the mentor and all other interns. Thus, during the Monday call each group has to nominate one member who will present his/her work.

The **purpose** of this group exercise is to:

1. Imitate real world scenario where you will be working in teams/groups to collaborate and successfully deliver projects.
2. To help you enhance some of the **most important skills required for successful careers**, like:
 - a. Networking
 - b. Team-work
 - c. Communication
 - d. Group problem-solving
 - e. Leadership