Week 2 – Step by step (Connecting the dots)

1. Interns who are new to Data Science & Python tools may start watching those Microsoft videos

2. Read my sample notebook and get to know the steps to follow (Data Science usual pipeline)

3. Try attempting the problem in task 1 [optional]

4. Use the notebook and try attempting the problem in task 2

5. In task 2 you will be encountering several new topics - take the help from the questions given in the tips to solve (for example label encoding v/s one hot encoding)

6. Once you attempt the problem try reading the notes provided to understand the intuition - what is gradient descent in plain English, how you convert a linear equation to probabilities, how understanding basic calculus helps, understand what loss functions are etc.

7. Same repeatable pattern again and again - whether you would be doing deep learning using keras, whether you do text mining or images or somethings else… Example: Classification task, use a Pre-trained model just change the last layer and put logistic regression to classify.

8. Mentor will send further note through-out your internship - trees, text mining, ensembles etc.

9. You will find the solutions to this problem on Google however it’s not JUST about the accuracy yet it’s about having a rock-solid knowledge on process and Algorithms so that you have a good ground to solve just any ML problem.