

# **MCIS6273 Data Mining (Prof. Maull) / Fall 2022 / HW0**

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**(80%) Listen to the Talk Python['Podcast'] from July 6, 2018: 1M Jupyter Notebooks analyzed**

**1. List 3 things that you learned from this podcast ?**

**Solution:**

## **1. Importance and uses of notebook environments**

Notebooks environment like Jupyter notebooks have the potential to become core infrastructure for many of the programming aspects mainly in terms of data which is providing a mix of code, documentation and visualization which is very helpful because everything is available in one place. If you want to share the results with anyone like your teammates or higher officials you can share just the link so that it will be presented in any browser.

## **2. Use of Github.**

GitHub is a web-based version-control and collaboration platform for software developers. People like software developers, students and even teams of developers are sharing their work by making it publicly accessible on Github. We can collect millions of source code based on search. Query parameters.

## **3. Importance of stability and compatibility**

Mainly we are using PDF in all sorts of documentation, research papers etc. because it is very compatible and even we can view the pdf on our phone also.

Similarly like PDF Jupyter environment is also compatible and less dependent on the environment or any programming languages. But still we can't it with PDF. Because compare to PDF notebooks are providing less compatible.

**2. What is your reaction to the podcast? Pick at least one point Adam brought up in the interview that you agree with and list your reason why.**

### **Solution**

#### **Reaction to Podcast:**

The podcast Provides lot of information about Github and Notebook environments. It provide ins and outs of both Github and Notebook Environment

Iam also Agreeing with some of Adams points. The points are:

#### **a. Social changes are required:**

Labs expecting that presentaions will be in the from notebooks like Jupiter not from any slide or journals.

#### **Reasons:**

Because notebooks are more adaptable and documented properly with rich narrative i.e: it give more priority to notebooks rather than typical decks presentation.

#### **b. Best practices :**

There needs to discipline around the best practices for the notebooks such as Jupiter notebooks

#### **Reason:**

Because if the standards are provides in the discipline manner it would be easier for everyone to follow and understand.

**3.After listening to the podcast do you think you are more interested or less interested in learning from Jupyter notebooks on Github?**

**Solution:**

Yes Sam more interested in learning from Jupiter notebooks on Github as there are different observations, , different type of projects available on Github. Like Adams explained in the podcast there are lot of opensource on jupyter environment available on Github , majority of which are helpful to academic works and it helps us to learning how to do data anayltics and learning “**Machine learning**”, which helps to enhance my skills.