Assignment-1

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List 3 things that you learned from this podcast.

Ans:

1. The evolution the notebooks platforms over the time is exceptional. As, the guest and host expressed their concerns about very first notebook platform Mathematica and then the Maple, later to that in recent times they were using MATLAB which is has a huge price per person, these were not cost effective and similar versions of the notebook platforms like Jupyter notebook and R-studio which are open-source and free and has better functionality. In which they are inferring to that world is moving into the open source. Researchers sense that people are sort of changing their way they see other stuff by virtue of having these open-source experiences.

2. The usage of the notebooks over the period is changed according to the time. As, the guest and host discussed the researchers are more inclined towards the notebooks over the research paper. In the words by the guest all the information you need to reproduce science now the analyses we're doing today are so complex that you can't just read a three-sentence description of it and know what to do, academic paper that you write about your computational result, but it's not actually the research like the software is the research in a sense. Analysis article and saying really what we need is a new medium where you can share all the code and used to run the analysis there's so much of analysis is now happening via programming.

3. I am amazed by the way biology field using notebooks, Researchers in biology or chemistry labs was trained in a very specific way of tracking the results this is how you write their name and the date and the reagents that you're going to use for this experiment and the steps and if they didn't do it in a particular discipline way they did docked points by her teaching assistant or a professor because this was just the practice of how you document and share a biology or chemistry lab .They integrated the notebooks and software in the field and they import statements to the very top of the notebook and had to kind of figure out best practices on their own. So, I think there's a lot of best practices both from software development in biology and chemistry.

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.

The podcast is so refreshing, and guest shared a lot of scenarios and cases where he observed the use of notebooks and software revolution over the years in various fields.

The point Adam brought up that I strongly emphasize about the open-source research. I ambiance of the open-source sounds mesmerizing to my ears as the world is progressing the research should be more interactive and contributing by the various individuals or entities. By this way the knowledge transfer and development will be immense. The notebook platforms like Jupyter notebook and R-studio made their software open-source and free. This implementation inferring to the world that it is moving into the open source. many researchers are making decomposition they're making their own packages or libraries especially in the Python ecosystem and sharing them openly. language Python should be open and free and the environments the development environments like Jupiter should be open

The usage of the notebooks over the period is changed according to the time. As Adam and host discussed the researchers are more inclined towards the notebooks over the research paper. we're doing today are so complex that you can't just read a three-sentence description of it and know what to do, academic paper.

This is a good notion for the software industry and researchers around who want be more collaborative and efficient.

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

I am more interested to learn from Jupyter notebooks on Github after listening to the podcast as guest shared this knowledge on the implementation of the notebooks over various fields like biology, chemistry, finance etc.