TASK

Your task for this discussion is to read the [Preface - What is Data Science and Why PythonLinks to an external site.](https://jakevdp.github.io/PythonDataScienceHandbook/00.00-preface.html). This can be found in the link provided or the [pdf version of the textbook](https://elearning.mines.edu/courses/52392/files/5459013/download?wrap=1)[Download pdf version of the textbook](https://elearning.mines.edu/courses/52392/files/5459013/download?download_frd=1)for the class that we have provided. You will then post a discussion and a reply below!

DISCUSSION REQUIREMENTS

Once you have completed this weeks reading, you are asked to complete the following tasks:

1. Post a 1-2 sentence response from the reading for 2 of the three below prompts:
   1. The book section discusses that data science comprises three distinct and overlapping areas. Explain what these areas are and why you agree or disagree with their definition of data science.
   2. Why Python?
   3. Provide a free response: this can be anything from clarification questions, something that piqued your interest, or maybe a personal experience you have with what was discussed in the book section.
2. Post a meaningful reply to another student's question/post.

## WATCH

Watch this week's video, download the working files so you can follow along and experiment with the platform we'll be using for the course.

WORKING FILES

You will need the following files to get set up for this week. They include the following:

* Jupyterhub notebook (download to personal device then upload to your Jupyterhub). Also, download the image and place it in the same directory in your Jupyterhub notebook.
  + [Introduction to the Course Jupyter Notebook](https://elearning.mines.edu/courses/52392/files/5459183/download?wrap=1)[Download Introduction to the Course Jupyter Notebook](https://elearning.mines.edu/courses/52392/files/5459183/download?download_frd=1)
  + [Supporting Image](https://elearning.mines.edu/courses/52392/files/5459115/download?wrap=1)[Download Supporting Image](https://elearning.mines.edu/courses/52392/files/5459115/download?download_frd=1)
* PDF file that contains the same information as the Jupyterhub notebook, in case your Juypterhub is not yet working.
  + [Introduction to the Course PDF](https://elearning.mines.edu/courses/52392/files/5459140/download?wrap=1)

ADDITIONAL RESOURCES

The links below are supplementary resources to help you review or strengthen the topics we have discussed:

* [What is Data ScienceLinks to an external site.](https://www.oracle.com/data-science/what-is-data-science/)