***What does it mean to be a data scientist?***

**ESSENTIAL IDEA:**

*The purpose of the lesson is for students to know what to expect in the coming months. It is to provide clarity as to what being a data scientist entails, and what we will be covering.*

**TIME:** *About two hours ( three maybe)*

**OUTCOMES:** *As a result of instructions, students will be able to:*

1. Clearly state what it means to be a data scientist
2. Understand the methodologies and tools of a data scientist
3. Have a vision for the future of the course.
4. Begin to think in the lens of a data scientist, and to be able to start to think about how they could solve issues in their own communities using Data Science

**ASSESSMENTS:**

* *Assignment*
* *Class Discussions*
* *Feedback form*

**MATERIALS:** *None*

**SET UP:** *Zoom Room*

**PROCEDURE:**

Introduction:

1. Begin with a class discussion of what people imagine data scientists do. Urge people to think for themselves and to not look up the answer. There is no “correct” answer at this point. We want a starting point to see what students themselves expect to learn from this course. It might be useful to write down what students think, to adapt course material later to better suit their needs/expectations.

Lesson/Direct Instruction:

— Ask students what they think it means to be a Data Scientist —

1. Explain the Data Science Process

— Ask students to explain what it means to be a scientist —

2.Take a step back to explain what it means to be a scientist

3. Go over the Scientific Process

— Ask what the obligations are, and to who they are —

4. Explore the moral and ethical obligations of being a scientist

– Ask if the previous content is understood. It’s very important that students understand the previous ideas —

5. Now go into the specifics of Data Science, highlighting each block, and what our goal is

Tasks: *(Hyperlink algo challenges/ lab assignments etc.)*

1. Homework

Closing:

1. Ask to see if what they thought being a data scientist lined up with what actually being one is.
2. Ask to see if people are scared or excited about becoming a data scientist.
3. Ask what people want to know about, and what people want to specialize in.
4. Complete the feedback form

**REFERENCES:**

[Axl's Write up on Data Science](https://docs.google.com/document/d/1Eh-PrC2WhJXr8kV-yFXGk6YKX7y2exOXNCDEpfqB3GY/edit)

[Assignment 1](https://docs.google.com/document/d/1t8IWBipvGiX9LrZ-PVzUmf_cd-qBON8X7ItD7Sxug7Y/edit)

Self-Assessment

[https://docs.google.com/forms/d/e/1FAIpQLScEEFmgYYf8Wi2Tl4WnxNFtuQFplL8DpvhSf8UqAkl1uCtyhw/](https://docs.google.com/forms/d/e/1FAIpQLScEEFmgYYf8Wi2Tl4WnxNFtuQFplL8DpvhSf8UqAkl1uCtyhw/viewform)