Peer-graded Assignment: Final Assignment

ⓘ It looks like this is your first peer-graded assignment. Learn more

Instructions

My submission

What is Data Science?

Discussions

Submitted on July 24, 2021

Shareable Link

PROMPT

Based on the videos and the reading material, how would you define a data scientist and data science? **(3 marks)**

Data science have two primary connotations: one is to study the data itself, to explore the various types, states, attributes, forms and changes of the data; another is to provide a new method for natural science and social science research. Known as the data method of scientific research, its purpose is to reveal the phenomena and laws of nature and human behaviour. Standard techniques in data science include data acquisition, data storage and management, data security, data analysis, and data visualization. A data scientist refers to an engineer or expert who can adopt scientific methods and use data mining tools to digitally reproduce and understand complex numbers, symbols, text, URLs, audio or video and other information and can find new data insights. Data scientists are equipped with skills to acquire and process data, get helpful information from it, visualize it, and make people understand it. In addition, they can extract information from a large data set and then show it to those who are not data experts.

RUBRIC

According to the reading material, a data scientist is someone who finds solutions to problems by analyzing data using appropriate tools and then tells stories to communicate their findings to the relevant stakeholders. Data science is defined as what data scientists do. Is the student's definition close to what is defined in the course material?

- 1 point
  Poor. The student provided a non-coherent definition of data science and data scientist. The student did not mention anything about **using tools to find solutions to problems** and **communicating their findings through story-telling**.

- 2 points
  Good. The student provided definitions close to the ones discussed in the course material but the definitions are still incomplete. For example, the student forgot to mention that in addition to **using tools to find solutions to problems**, a data scientist also **communicates their findings through story-telling**. Or, the student forgot to mention that a data scientist, in addition to communicating their findings to the relevant stakeholders, they use tools to find solutions to problems.

LS

3 points

AK

Excellent. The student provided a complete definition of a data scientist. The student explicitly stated that a data scientist uses data to find solutions to problems and tells stories to communicate their findings.

PROMPT

As discussed in the videos and the reading material, data science can be applied to problems across different industries. Give a brief explanation describing what industry you are passionate about and would like to pursue a data science career in? **(2 marks)**

I completed my BCom at UBC specialize in Accounting, at the beginning I had huge interests in becoming an auditor at Big 4 in the future and that's why I handed my resume to my first job interviewer at one of the Big Four company (KPMG). After completing "Python for Everybody" specialization online at Coursera, I discovered that I am actually more interested in exploring in the field of data analytics and programming. Now I am taking more courses in this field and I wish to make the transition from Business to Data Science in the future if possible.

RUBRIC

Has the student shared what industry they are passionate about?

- 0 points
  No, the student did not supply what industry they were passionate about

- 1 point
  Yes, but the student did not offer any explanation on why they were passionate about the industry.

- **2 points**
  Yes and the student also gave an explanation on why they were passionate about the industry.

AK

LS

PROMPT

Based on the videos and the reading material, what are the **ten** main components of a report that would be delivered at the end of a data science project? **(5 marks)**

Based on the course material, I have identified the following ten main components of a data science field report should have:

1. The cover page

2. Table of contents

3. Abstract/Executive Summary

4. Introductory section

5. Literature review section

6. Methodology section

7. Results section (Statistical models/Categorical analysis)

8. Discussion section

9. Conclusion section

10. References/Appendices/Acknowledgement

RUBRIC

According to the course material, a final deliverable in the form of a report, has the following 10 main components:

1. Cover page
2. Table of contents
3. Executive Summary
4. Introductory section
5. Methodology section
6. Results section
7. Discussion section
8. Conclusion section
9. References
10. Acknowledgment

2 points
Incomplete answer. Not all the ten components were listed.

LS

5 points
Complete answer. The student listed all ten components of a data science report.

AK

Edit submission

Comments

Comments left for the learner are visible only to that learner and the person who left the comment.

SX

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