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Data Science in Business

Careers and Recruiting in Data Science

The Report Structure

Final Assignment

Peer-graded Assignment: Final Assignment

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Peer-graded Assignment: Final Assignment

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Instructions

My submission

Discussions

Data Science, Data Scientist and Components of a Data Science

Submitted on June 16, 2023

Shareable Link

PROMPT

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

Data Scientist :

Data scientists are curious and analytical thinkers who use a variety of math skills not limited to Mathematics, Statistics and Probability to solve a problem.

They apply different available methods and algorithms to draw insights and conclusions from various kinds of data.

After applying data science methodologies, they are effective communicators and story tellers who can present their findings often to present new findings or confirm what initially suspected.

Data Science :

Data science is something that data scientist do.

Data science is a way of extracting insights form large volumes of disparate data.

Data science involves drawing patterns from seemingly random structured and unstructured type of data.

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.

3 points

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**.

NT

RJ

AS

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 want to pursue a data science career in Telecommunications with the main focus being to improve the quality of telecom data and more structured customer data. I want to create a model to speed up data capture earlier by looking at various parameters on phone number, subscriber data, location and others.

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.

NT

RJ

AS

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)**

The 10 main components of a data science project report would be :

1. **Cover Page** with Author's name, contacts, affiliations if any and publication date.
2. **Table of Contents** containing main headings, list of contents and figures.
3. **Abstract / Executive summary** to explain gist of the report.
4. **Introduction** to explain the topic to new readers.
5. **Literature Review** including citations of authors and data sources.
6. **Methodology** section to explain the research methods and data sources used for analysis.
7. Detailed Explanations including **Results and discussion** sections.
8. **Conclusions** which generalize findings and identify possible future outcomes.
9. **References**.
10. **Acknowledgement** and **Appendices** (if Needed)

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.

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

NT
RJ
AS

[Start new attempt](#)

Comments

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RH

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