1. Based on the videos and the reading material, how would you define a data scientist and data science?

A data scientist is someone who finds Solutions to problems by analyzing data, usually large volume of data, using appropirate tools, and then tells stories to communicate his findings to the relevant stakeholders.

Data science is the process and method for extracting knowledge and insights from large volumens of disparate data. This proces involves the use of tools such as mathematics, statistical analysis, data visualization and machine learning.

1. As discussed in the videos and the reading material, data science can be applied to problems across different industries. What industry are you passionate about and would like to pursue a data science career in?

I am an electrical engeneer, I especialized on electrical power systems, on my graduate project( 10 years ago) I studied with the help of genetic algorithms on mathlab the best solution to keep the power on a high voltage network after a big contigency.

I would like to learn new tools to keep finding solutions to my work on high voltage networks, specially with the new forms of genrating energy in my country.

1. 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?

1. cover page: includying title of the report, names of authors, their affiliations and contacts, name of the institutional publisher, and the date of publication

2. table of contents

3. abstract or executive summary: three paragraphs or less explaning the crux of your arguments

4. Introductory section: Setting up the problem for the reader

5. literature review section

6. methodology section: for introducing the research methods and data sources used

7. results section: presentation of empirical findings

8. discussion section: communicate your thesis to your readers

9. conclusion section: generalize your specific findings, promote your findings

10. list of references and acknowledegent section

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