

How would you define a data scientist and data science? **(3 marks)**

In indisputable terms data science can unmistakably be done by a data scientist, it is something that they do. A data scientist is someone that investigates, analyzes, and discovers solutions to problems. They are not limited in size of data or tools that they can use; it is purely analytics. Data science is about unveiling and telling the story behind the data.

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? **(1 mark)**

I am passionate and would like to learn and use data in the finance or health industry. Utilizing data to unveil trends and extrapolate future insights to improve a patient's health or determine a potential investment are applicable problems in these fields that interest me.

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)**

A final report should always include a cover page, table of contents, executive summary, contents, acknowledgements, references, and if necessary, an appendix regardless of the report's length. Including each of these components will allow the reader to easily discern and follow any information discussed and allow them the ability to track the source. It should be an analytical report with a minimum of 1,000 words.

The executive summary is a shorter, more concise dialogue surrounding the objective, method of approach, and a synopsis of the issues and discoveries and their relevance to the topic. This rundown incorporates information from the introduction, methodology, results and conclusion sections which should still be included. They are still key components that strengthen the report and provide more detailed information. It introduces the problem that you will discuss as well as the resources and data methods used for your analysis. The argument is crafted and discussed using the results you discovered and later generalized so that the reader can obtain a simpler outline of the discoveries, issues, and their importance.

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