Twiddling data-filled thumbs

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

D​ata Scietists: someone who collects data and uses it to derive insights, then uses storytelling to communicate the findings and influence decision-making.

D​ata Science: just like any scientific subject, data science is the science of using data.

**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)**

C​limate change: the fundamental way to solve climate change is to make the poorest people very rich, thereby improving their lives and enabling them to contribute to society. Wealthier people tend to think more long-term, which points to poorer people using resources not to survive, but thrive and improve their environments. With data science we can find better methods to educate the poorest areas, use data to invest in the most needy areas, and predict possible outcomes when taking different approaches to solving the problem.

**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)**

 **Cover Page**with Author's name, contacts, affiliations if any and publication date

 **Table of Contents**containing main headings, list of contents and figures

 **Abstract / Executive summary**to explain gist of the report

 **Introduction**to explain the topic to new readers

 **Literature Review**including citations of authors and data sources

 **Methodology**section to explain the research methods and data sources used for analysis

 Detailed *Explanations*including **Results**and **discussion**sections

 **Conclusions**which generalize findings and identify possible future outcomes.

 **References**

 **Acknowledgement**and **Appendices**(if Needed)