

Response Summary:

1. Student Information *

First Name	Liam
Last Name	McGuire
Major	Web Programming and Design
Course (e.g. CGT 270-001)	CGT 270
Term (e.g. F2019)	S2022

2. Email Address *

(University Email Address is required.)

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3. Visualization Assignment *

- Lab Assignment

Generate

4. Identify appropriate data sources: is the data publicly available? What search methods were used? *

Data source 1	The first suspected data source I believe they got this from was from the Star Wars movies themselves, since they are provided visual and live footage of what the characters look like. All this data is publicly available as anyone can buy or rent the movies to visually digest this information.
Data source 2	The second theoretical source they likely got this information from was from the Star Wars Wiki, also known as Wookieepedia, as it provides more details onto certain character traits and stories, with other media such as TV shows, comics, novels, audio recordings, etc. Like the previous data source it is publically available, as you can just search the character or Wookieepedia itself on the internet via a quick Google search.
Data source 3	Comics, TV Shows, video games, Novels, etc. This is the other possible source they had gotten this data from certain characters as some provide more time and detail on certain characters listed in the spreadsheet/data. It is also publically available as anyone can buy these types of media to experience them.

5. Data format: what format is the data in? Structured vs instructed? All text, a combination, multiple sources? Is it primary or secondary data? *

It is in a structured format, via having organized text put into specific categories, making it primary data.

6. Data types: what types of data are in the data? How are they stored? What is the access to the data (API, JSON, txt, csv, etc.)? What structure holds the data (data base, spreadsheet, etc.)? *

Mainly numerical data, stored in a spreadsheet structure in a JSON format.

Evaluate

7. Variables: list the data variables? What are the parameters? Give them names. What are the dependent variables and independent variables? *

Name, gender, creation date, planet born on, year born, mass, eye color, hair color, height mass. These are all the variables and categories listed, as these are the parameters for organizing said data. The names, creation date, planet born on are the independent variables since they don't affect the physical traits of the characters, with the rest of the remaining variables being dependent since it could provide estimations and details on what the characters look like.

8. Audience & Assumptions: list any assumptions you have about the data. Who is your audience? *

I assume that the characters listed are mainly the characters from the Star Wars movies. The audience are people who watch Star Wars, mainly Star Wars fans.

Generate

9. What real life behavior does the data reflect? Does it show patterns of activity, regularity of events, a timeline, population data, etc? Explain. *

Most of the characters listed are male, possibly showing there are more prominent male characters in the movies than there are female characters since male characters outnumber them in the data. Other than that, there is no other pattern I have noticed.

11. What are the weaknesses of the data source? Is it likely that the source will be available in the future? Is the data complete? What is the quality of the data? Is it specific to your needs for the current project? Is the data in the format you need? Are there missing data? Explain. *

It is very much likely that the source will be available in the future, as Star Wars is a pretty cultural

12. What information is emphasized? What is the central focus of the data? Explain. *

The information that is mainly emphasized are the physical characteristics of each character listed, such as skin, hair, and eye color. The central focus is to provide data on what these characters look like along with some other information as what planet and year they were born on.

13. At what level of granularity is the data provided? Is the data summarized, or do you have access to the raw data? Is the data categorized or is the data in a format that allows you to create your own categories, etc. Explain. *

It is purely raw data, as it isn't summarized nor is a conclusion offered, as that is left up to the user visualizing the data of these character's physical traits.

14. What is the scope of the data? What topics can be covered using the data? Is there a time range/frame? Is the data for a specific area/discipline/demographic etc.? Explain. *

Topics being covered in this data are mainly the physical traits of Star Wars characters and the characters themselves. There isn't a specific time range or frame of when this data was gathered and published. I believe this data is meant for one demographic. Star Wars fans, ones who pride themselves in knowing this information.
