

# *Star Wars Chatbot*

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<https://github.com/BVUjac8/Star-Wars-Chatbot.git>

## **Any surprises from your domain from these data?**

A dataframe with 87 observations and 10 variables.

A dataframe with 61 observations and 9 variables.

A dataframe with 37 observations and 10 variables.

A dataframe with 37 observations and 13 variables.

A dataframe with 39 observations and 11 variables.

Absolutely not. Working with numerous CSV file formats is smoother in Python programming compared to R, however, performing the actual machine learning model known as a chatbot, is quite difficult. There is standard NA's, but I did not remove them because some statistics of the person, planet, species, starship, or vehicle is not applicable to the specific person, planet, species, starship, or vehicle, thus removing is unnecessary.

## **The dataset is what you thought it was?**

[Star Wars | Kaggle](#)

These datasets were exactly what I expected. Due to the datasets coming from Kaggle, there was no data missing but some statistics for person, planet, species, starship, or vehicle had NA's which is standard due to for that specific person, planet, species, starship, or vehicle having no application towards the data retrieved.

## **Have you had to adjust your approach or research questions?**

- How can we learn about the Star Wars universe through a chatbot?

Yes, I have. Having never worked with the machine learning model known as chatbots and not the best in textual analysis and various techniques towards textual data, a chatbot has been proven quite trying to perform. Thus I believe the better approach is harnessing an API from an online database about Star Wars data, the same data from the CSV files, to learn about the Star Wars universe in the form of a JSON format.

## **Is your method working?**

Building a chatbot is frustrating when the data chosen is not fully textually formatted. The CSV files were mixed with both categorical and numerical data, however, I had thought any file format can be chosen to build and create a chatbot based off the proffered file format. That was not the case by referencing numerous walkthroughs on how to build and create a chatbot in the programming language Python.

## **What challenges are you having?**

Unable to build and create a chatbot, hence, have been employing an online Star Wars database API which is basically the CSV files within the API. Therefore, after exercising in the Star Wars API, I am able to extract data from a specific person, planet, species, starship, or vehicle in the form of a JSON format.