

# Star Wars Chatbot

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Summer 2021

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

## Which Domain?

Kaggle.com

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Young, J. (2019). *Star Wars*. [Star Wars | Kaggle](#). Kaggle.

## Which Data?

[Star Wars | Kaggle](#)

5 datasets in CSV file format that consists of data from the Star Wars universe.

*characters.csv*

A dataframe with 87 observations and 10 variables.

	name	height	mass	hair_color	...	birth_year	gender	homeworld	species
0	Luke Skywalker	172.0	77	blond	...	19BBY	male	Tatooine	Human
1	C-3PO	167.0	75	NaN	...	112BBY	NaN	Tatooine	Droid

2	R2-D2	96.0	32	NaN ...	33BBY	NaN	Naboo	Droid
3	Darth Vader	202.0	136	none ...	41.9BBY	male	Tatooine	Human
4	Leia Organa	150.0	49	brown ...	19BBY	female	Alderaan	Human

*planets.csv*

A dataframe with 61 observations and 9 variables.

	name	rotation_period	...	surface_water	population
0	Alderaan	24.0	...	40.0	2.000000e+09
1	Yavin IV	24.0	...	8.0	1.000000e+03
2	Hoth	23.0	...	100.0	NaN
3	Dagobah	23.0	...	8.0	NaN
4	Bespin	12.0	...	0.0	6.000000e+06

*species.csv*

A dataframe with 37 observations and 10 variables.

	name	classification	...	language	homeworld
0	Hutt	gastropod	...	Huttese	Nal Hutta
1	Yoda's species	mammal	...	Galactic basic	NaN
2	Trandosha	reptile	...	Dosh	Trandosha
3	Mon Calamari	amphibian	...	Mon Calamarian	Mon Cala
4	Ewok	mammal	...	Ewokese	Endor

*starships.csv*

A dataframe with 37 observations and 13 variables.

	name	...	starship_class
0	Executor	...	Star dreadnought
1	Sentinel-class landing craft	...	landing craft
2	Death Star	...	Deep Space Mobile Battlestation
3	Millennium Falcon	...	Light freighter
4	Y-wing	...	assault starfighter

*vehicles.csv*

A dataframe with 39 observations and 11 variables.

	name	...	vehicle_class
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- 0 Sand Crawler ... wheeled
- 1 T-16 skyhopper ... repulsorcraft
- 2 X-34 landspeeder ... repulsorcraft
- 3 TIE/LN starfighter ... starfighter
- 4 Snowspeeder ... airspeeder

### **Research Questions? Benefits? Why analyze these data?**

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

Obviously a fan of Star Wars, building a chatbot similar to a database or API would allow other fans or new potential fans to learn about the Star Wars universe in a simple format akin to a smartphone and Google assistant.

### **What Method?**

There is only one machine learning technique to employ for learning about the Star Wars universe and that is a chatbot.

### **Potential Issues?**

Building the chatbot in Python to conform to only data about the Star Wars universe will be difficult to perform due to fact it is unfamiliar territory in Python programming as well as employing textual analysis which is not my strong suit.

### **Concluding Remarks**

As potential data scientists, learning as many machine learning techniques with various data that is interesting to the programmer will allow a diverse in skill-sets as well as enjoying your career rather than having just a job.