**To read in Excel files to Python and convert to JSON object:**

* ***Pip install wheel*** followed by ***pip install pandas*** and ***pip install xlrd***
* import pandas as pd
* df = pd.read\_excel(r'C:\Users\amaye\Desktop\MScProject\HeroOrVillain.xlsx')
* #print(df)
* json\_str = df.to\_json(orient='records') # orient refers to a row-wise orientation instead of a column-wise one
* print('Excel sheet to JSON:\n',json\_str)
* to then write to create a json object –
* # here we write the data from the Excel file to a json object
* with open('filename.json', "w") as file\_write:
* # write json data into file
* json.dump(json\_str, file\_write)
* # Opening JSON file
* with open('sample.json', 'r') as openfile:
* # Reading from json file
* json\_object = json.load(openfile)
* print(json\_object)
* print(type(json\_object))
* install sqlitedict as a library to store JSON objects - ***pip install -U sqlitedict***