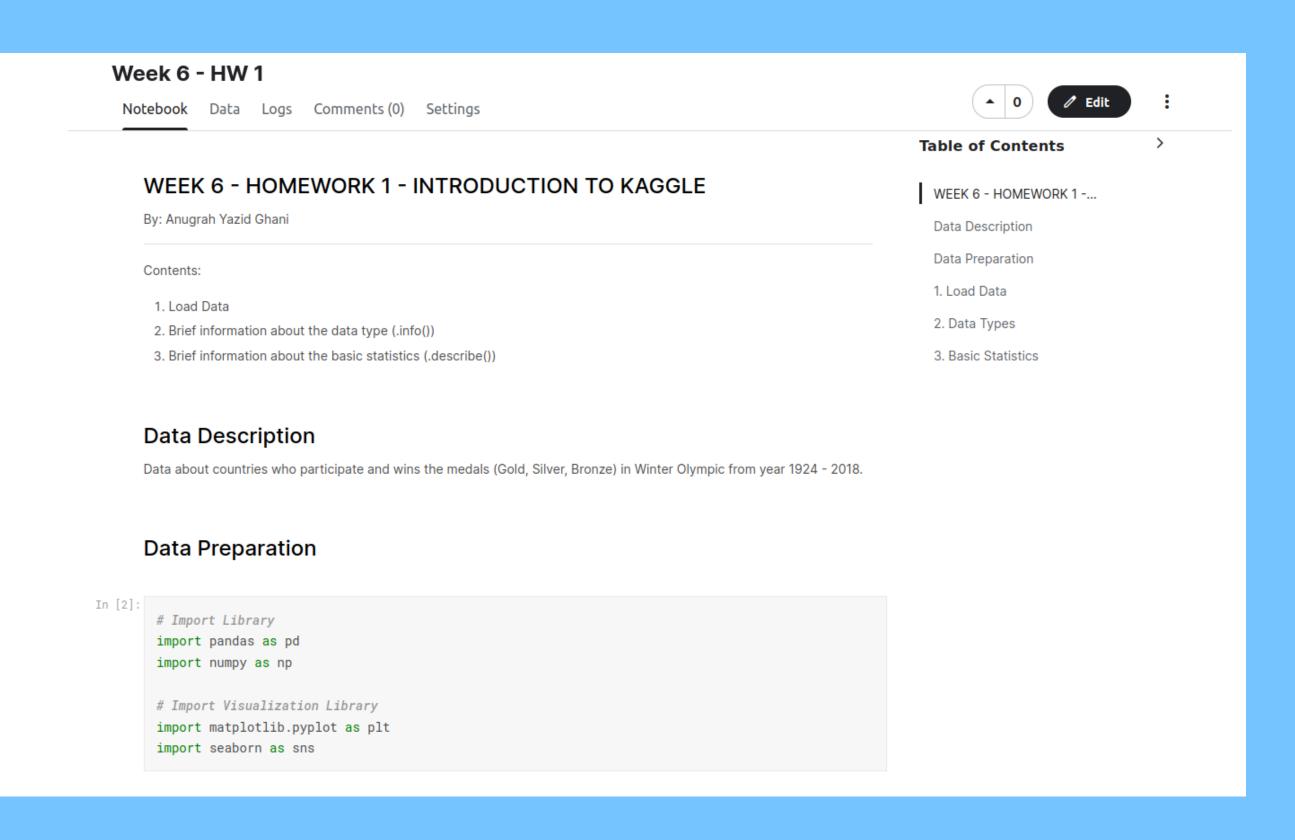




Data Description & Preparation









1. Load Data

In [3]:

Read Data

data = pd.read_csv("../input/winter-olympic-medals-1924-2018/Winter_Olympic_Medals.csv")
data

★ Hide output

Out[3]:

	Year	Host_country	Host_city	Country_Name	Country_Code	Gold	Silver	Bronze
0	1924	France	Chamonix	United States	USA	1	2	1
1	1924	France	Chamonix	Great Britain	GBR	1	1	2
2	1924	France	Chamonix	Austria	AUT	2	1	0
3	1924	France	Chamonix	Norway	NOR	4	7	6
4	1924	France	Chamonix	Finland	FIN	4	4	3
		•••						
404	2018	South Korea	Pyeongchang	Slovakia	SVK	1	2	0
405	2018	South Korea	Pyeongchang	China	CHN	1	6	2
406	2018	South Korea	Pyeongchang	Hungary	HUN	1	0	0
407	2018	South Korea	Pyeongchang	Poland	POL	1	0	1
408	2018	South Korea	Pyeongchang	Great Britain	GBR	1	0	4

409 rows × 8 columns

There are 409 rows x 8 columns in this data. The columns are:

- 1. Year (Year when the Winter Olympic held)
- 2. Host_country (Country who held the Winter Olympic)
- Host_city (City who held the Winter Olympic)
- 4. Country_Name (Countries who participates in Winter Olympic)
- 5. Country_Code (Code of each countries who participate at Winter Olympic)
- 6. Gold (The number of gold medals earned by each Countries at Winter Olympic)
- 7. Silver (The number of silver medals earned by each Countries at Winter Olympic)
- 8. Bronze (The number of bronze medals earned by each Countries at Winter Olympic)









2. Data Types

```
In [4]:
    # Chechk Data Type and Number of Null Values
    data_type = pd.DataFrame(data.dtypes).T.rename({0 : "Data Type"})
    data_type
```

Out[4]:

	Year	Host_country	Host_city	Country_Name	Country_Code	Gold	Silver	Bronze
Data Type	int64	object	object	object	object	int64	int64	int64

There are 2 data types in the Data.

- Integer: Year, Gold, Silver, Bronze
- . Object : Host_country, Host_city, Country_Name, Country_Code

```
In [5]: data.info()
```

<class 'pandas.core.frame.DataFrame'>
RangeIndex: 409 entries, 0 to 408
Data columns (total 8 columns):

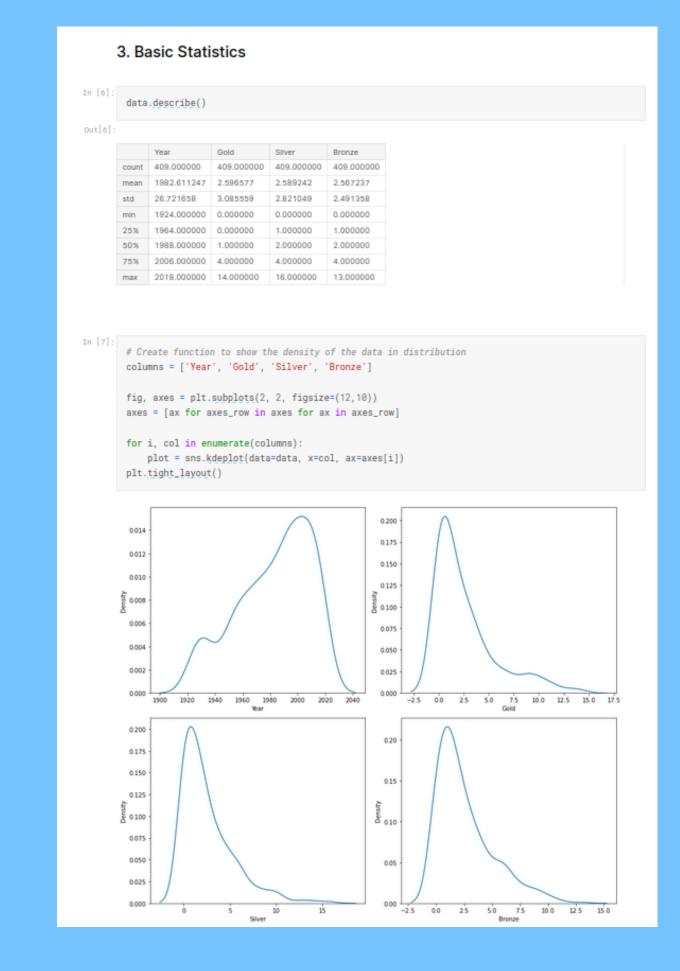
	*	,	
#	Column	Non-Null Count	Dtype
0	Year	409 non-null	int64
1	Host_country	409 non-null	object
2	Host_city	409 non-null	object
3	Country_Name	409 non-null	object
4	Country_Code	409 non-null	object
5	Gold	409 non-null	int64
6	Silver	409 non-null	int64
7	Bronze	409 non-null	int64

dtypes: int64(4), object(4)
memory usage: 25.7+ KB









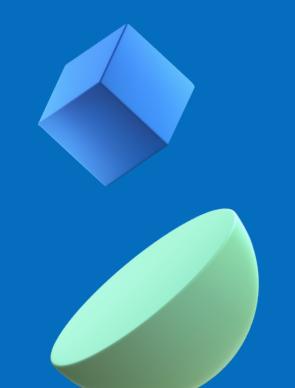




Kaggle Link



https://www.kaggle.com/anugrahyazidghani/week-6-hw-1



THANK YOU!

