

```
In [1]: # Dependencies
import pandas as pd
import json
from pandas.io.json import json_normalize
```

```
In [2]: # Load CSV
data = "generated_data/purchase_data.json"
```

```
In [3]: # Read with pandas--low_memory required to suppress errors about mixed d
data_pd = pd.read_json(data) #, encoding='iso-8859-1', low_memory=False)
data_pd.head()
```

```
Out[3]:
```

	Age	Gender	Item ID	Item Name	Price	SN
0	38	Male	165	Bone Crushing Silver Skewer	3.37	Aelalis34
1	21	Male	119	Stormbringer, Dark Blade of Ending Misery	2.32	Eolo46
2	34	Male	174	Primitive Blade	2.46	Assastnya25
3	21	Male	92	Final Critic	1.36	Pheusrical25
4	23	Male	63	Stormfury Mace	1.27	Aela59

PLAYER COUNT

```
In [5]: total_players = data_pd["SN"].unique()
len(total_players)
```

```
Out[5]: 573
```

PURCHASING ANALYSIS(TOTAL)

```
In [6]: #* Number of Unique Items
unique_items = data_pd["Item Name"].unique()
unique_items = len(unique_items)
unique_items
```

```
Out[6]: 179
```

```
In [7]: #* Average Purchase Price
avg_purchase_price = data_pd["Price"].mean()
avg_purchase_price
```

```
Out[7]: 2.931192307692303
```