```
from google.colab import drive
drive.mount('/content/drive')
```

```
Drive already mounted at /content/drive; to attempt to forcibly remount, call drive.mount("/content/drive", force_remount=True).
```

```
import pandas as pd
import numpy as np
df = pd.read_csv('/content/drive/MyDrive/FoodBalanceSheets_E_Africa_NOFLAG.csv',encoding='latin1')
df.head()
```

	Area Code	Area	Item Code	Item	Element Code	Element	Unit	Y2014	Y:
0	4	Algeria	2501	Population	511	Total Population - Both sexes	1000 persons	38924.00	3972
1	4	Algeria	2501	Population	5301	Domestic supply quantity	1000 tonnes	0.00	
2	4	Algeria	2901	Grand Total	664	Food supply (kcal/capita/day)	kcal/capita/day	3377.00	337

```
df['Y2017'].mean()
df['Y2017'].std()
```

```
1671.8623590567995
```

```
df.shape
```

```
(60943, 12)
```

```
df.corr()
```

```
<ipython-input-14-2f6f6606aa2c>:1: FutureWarning: The default value of numeric_only in DataFrame.corr i
  df.corr()
```

	Area Code	Item Code	Element Code	Y2014	Y2015	Y2016	Y2017	Y2018
Area Code	1.000000	-0.005159	-0.000209	0.006164	0.005472	0.005247	0.005006	0.005665
Item Code	-0.005159	1.000000	-0.024683	0.021722	0.020857	0.020109	0.021494	0.021314
Element Code	-0.000209	-0.024683	1.000000	0.024457	0.023889	0.023444	0.024254	0.024279
Y2014	0.006164	0.021722	0.024457	1.000000	0.994647	0.996081	0.995230	0.994872
Y2015	0.005472	0.020857	0.023889	0.994647	1.000000	0.995739	0.988048	0.988208
Y2016	0.005247	0.020109	0.023444	0.996081	0.995739	1.000000	0.992785	0.992757
Y2017	0.005006	0.021494	0.024254	0.995230	0.988048	0.992785	1.000000	0.998103
Y2018	0.005665	0.021314	0.024279	0.994872	0.988208	0.992757	0.998103	1.000000

```
df['Y2014'].isnull().sum()
```

```
1589
```

```
lst = [[35, 'Portugal', 94], [33, 'Argentina', 93], [30 , 'Brazil', 92]]

col = ['Age','Nationality','Overall']

a= pd.DataFrame(lst,columns=col,index=[i for i in range(1,4)])
a
```

	Age	Nationality	Overall
1	35	Portugal	94
2	33	Argentina	93
3	30	Brazil	92

```
df2 = np.unique(df[['Area']].values)
len(df2)
```

```
49
```

```
print(df.groupby(['Y2017','Area'])[['Area']].sum())
```

```
                                                      Area
Y2017     Area
-1582.0   Egypt                                  EgyptEgypt
-1200.0   Mozambique                             Mozambique
-1159.0   Mozambique                             Mozambique
-865.0    United Republic of Tanzania  United Republic of Tanzania
-860.0    United Republic of Tanzania  United Republic of Tanzania
...                                                      ...
 96443.0  Egypt                                      Egypt
 106400.0 Ethiopia                                 Ethiopia
 112625.0 Nigeria                                   Nigeria
 117702.0 Nigeria                                   Nigeria
 190873.0 Nigeria                                   Nigeria

[14773 rows x 1 columns]
```