

```
# Display first few rows
df.head()
```

	Age Group	Income	Spending	Score
0	36-45	65758		44
1	46-60	92409		84
2	18-25	91211		30
3	36-45	85697		62
4	36-45	57065		75

➡		count	mean	std	min	25%	50%	\
	Age Group							
	18-25	20.0	83053.850000	30924.536900	22695.0	58732.00	95393.0	
	26-35	26.0	66780.653846	30907.652141	20206.0	42389.75	63071.0	
	36-45	24.0	75108.708333	30968.890335	21016.0	56088.50	79689.5	
	46-60	30.0	69561.566667	27153.724324	22568.0	44938.50	72624.0	
			75%	max				
	Age Group							
	18-25	107175.00	119299.0					
	26-35	86683.25	118806.0					
	36-45	104083.25	118018.0					
	46-60	92284.25	113426.0					

	mean	median	min	max	std
Age Group					
18-25	83053.850000	95393.0	22695	119299	30924.536900
26-35	66780.653846	63071.0	20206	118806	30907.652141
36-45	75108.708333	79689.5	21016	118018	30968.890335
46-60	69561.566667	72624.0	22568	113426	27153.724324

```

➡ {'18-25': [91211, 119299, 52606, 109812, 106807, 68984, 60774, 22695, 25258, 107538, 99575, 104651, 44538, 90592, 47266, 110982, 107

```

Age Group	Mean	Std Dev	25th Percentile	75th Percentile
18-25	54.350000	26.886261	32.25	70.50
26-35	51.538462	31.877554	31.25	78.25
36-45	53.416667	32.388829	33.75	75.50

46-60

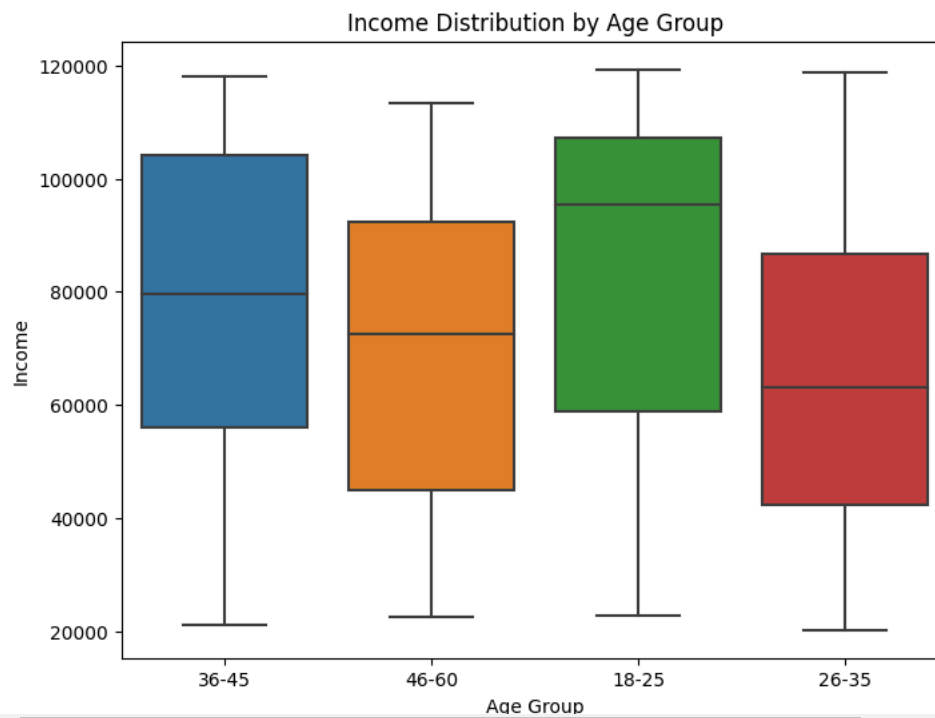
51.366667

30.690314

23.25

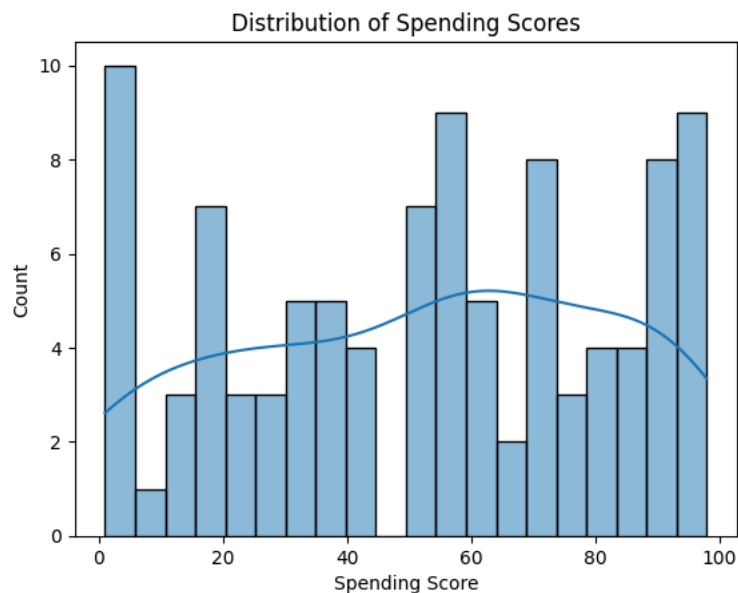
81.25

```
plt.figure(figsize=(8,6))
sns.boxplot(x='Age Group', y='Income', data=df)
plt.title('Income Distribution by Age Group')
plt.show()
```



```
sns.histplot(df['Spending Score'], kde=True, bins=20)
plt.title('Distribution of Spending Scores')
plt.show()
```

/usr/local/lib/python3.10/dist-packages/seaborn/_oldcore.py:1119: FutureWarning: use_inf_as_na option is deprecated and will be removed with pd.option_context('mode.use_inf_as_na', True):



```
stats.to_csv('/kaggle/working/summary_statistics.csv', index=True)
```

