Polars Descriptive Statistics Script

Data Loading

In [ ]:
```
import polars as pl

marketing_data = pl.read_csv("mydata/ifood_df.csv")
```

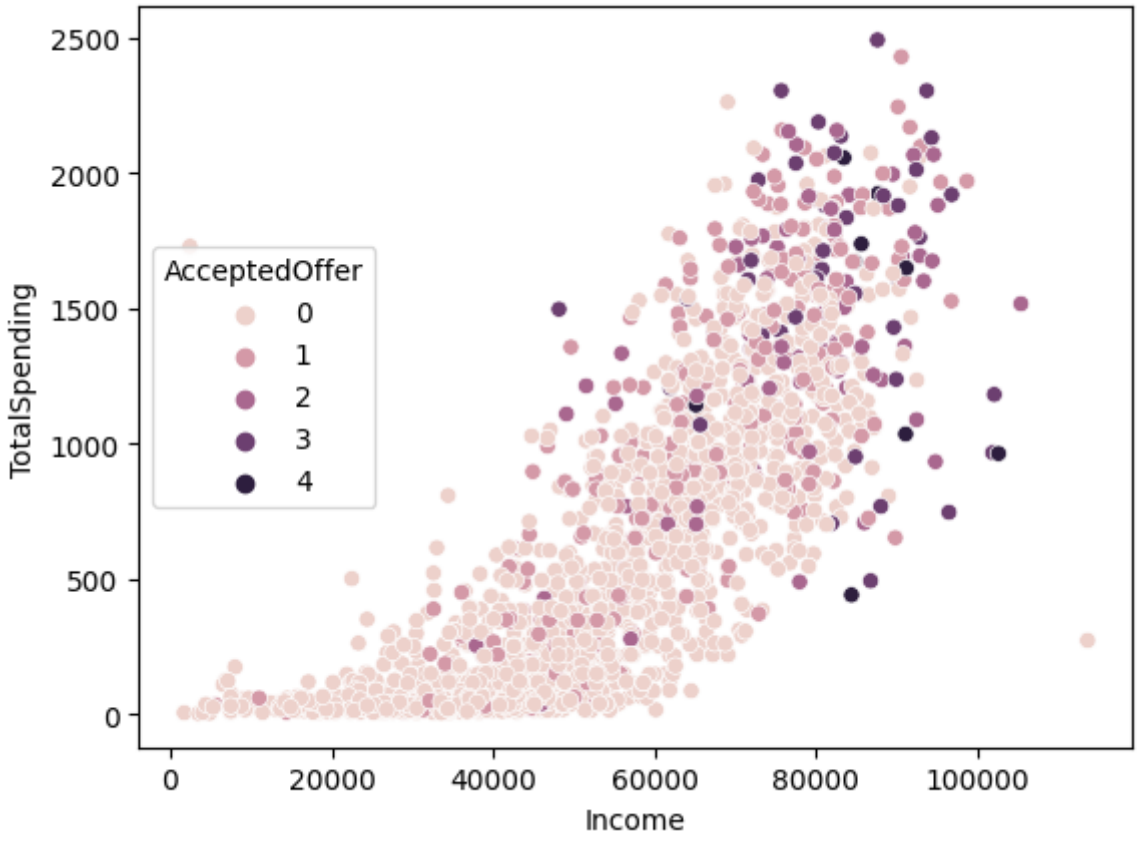
Data Manipulation

In [ ]:
```
marketing_data = marketing_data.with_columns(
    TotalSpending =
    pl.col("MntWines")
    + pl.col("MntFruits")
    + pl.col("MntMeatProducts")
    + pl.col("MntFishProducts")
    + pl.col("MntSweetProducts")
)
marketing_data = marketing_data.with_columns(
    AcceptedOffer =
    pl.col("AcceptedCmp1")
    + pl.col("AcceptedCmp2")
    + pl.col("AcceptedCmp3")
    + pl.col("AcceptedCmp4")
    + pl.col("AcceptedCmp5")
)
marketing_data = marketing_data.select([
    "Income",
    "TotalSpending",
    "AcceptedOffer",
    "MntWines",
    "MntFruits",
    "MntMeatProducts",
    "MntFishProducts",
    "MntSweetProducts",
])
```

Data Visualization

In [ ]:
```
import seaborn as sns
sns.scatterplot(data=marketing_data, x="Income", y="TotalSpending", hue="Accept
```

Out[ ]:
```
<Axes: xlabel='Income', ylabel='TotalSpending'>
```



In [ ]:
```
sns.scatterplot(data=marketing_data, x="Income", y="TotalSpending", hue="Accept
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Out[ ]:
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<Axes: xlabel='Income', ylabel='TotalSpending'>
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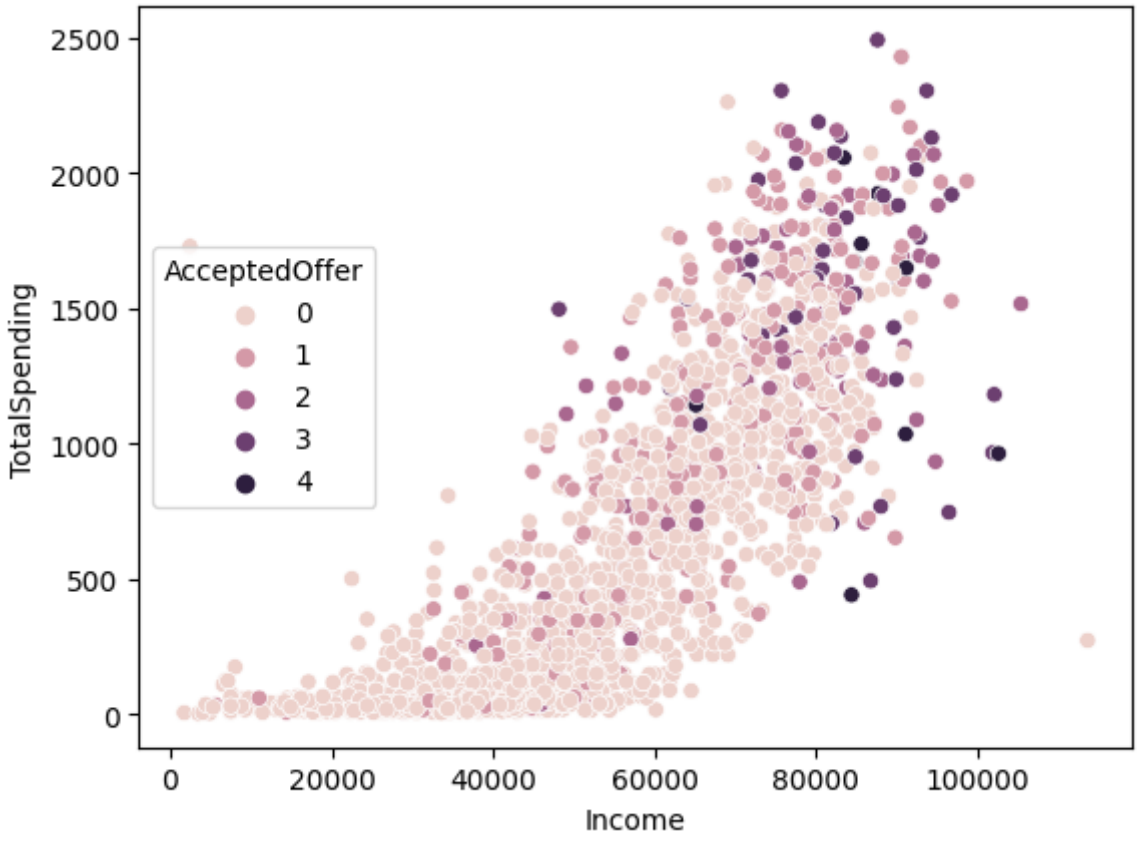

In [ ]:
```
sns.scatterplot(data=marketing_data, x="Income", y="MntMeatProducts", hue="Acce
```

Out[ ]:
```
<Axes: xlabel='Income', ylabel='MntMeatProducts'>
```