```
In [1]:  #25012025

         import matplotlib.pyplot as plt

         #sample data
         temperature = [25,28,32,35,38,40,42,45,30,33,36,37]
         ice_cream_sales = [200,250,300,350,400,420,430,450,280,310,360,370]

         #scatter plot
         plt.figure(figsize=(8,6))
         plt.scatter(temperature,ice_cream_sales,color='orange',edgecolor='black',alpha=0.8)
         plt.title("Temperature vs. Ice Cream Sales", fontsize=14)
         plt.xlabel("Temperature (c)", fontsize=12)
         plt.ylabel("Ice Cream Sales (units)",fontsize=12)
         plt.grid(alpha=0.3)
         plt.show()
```
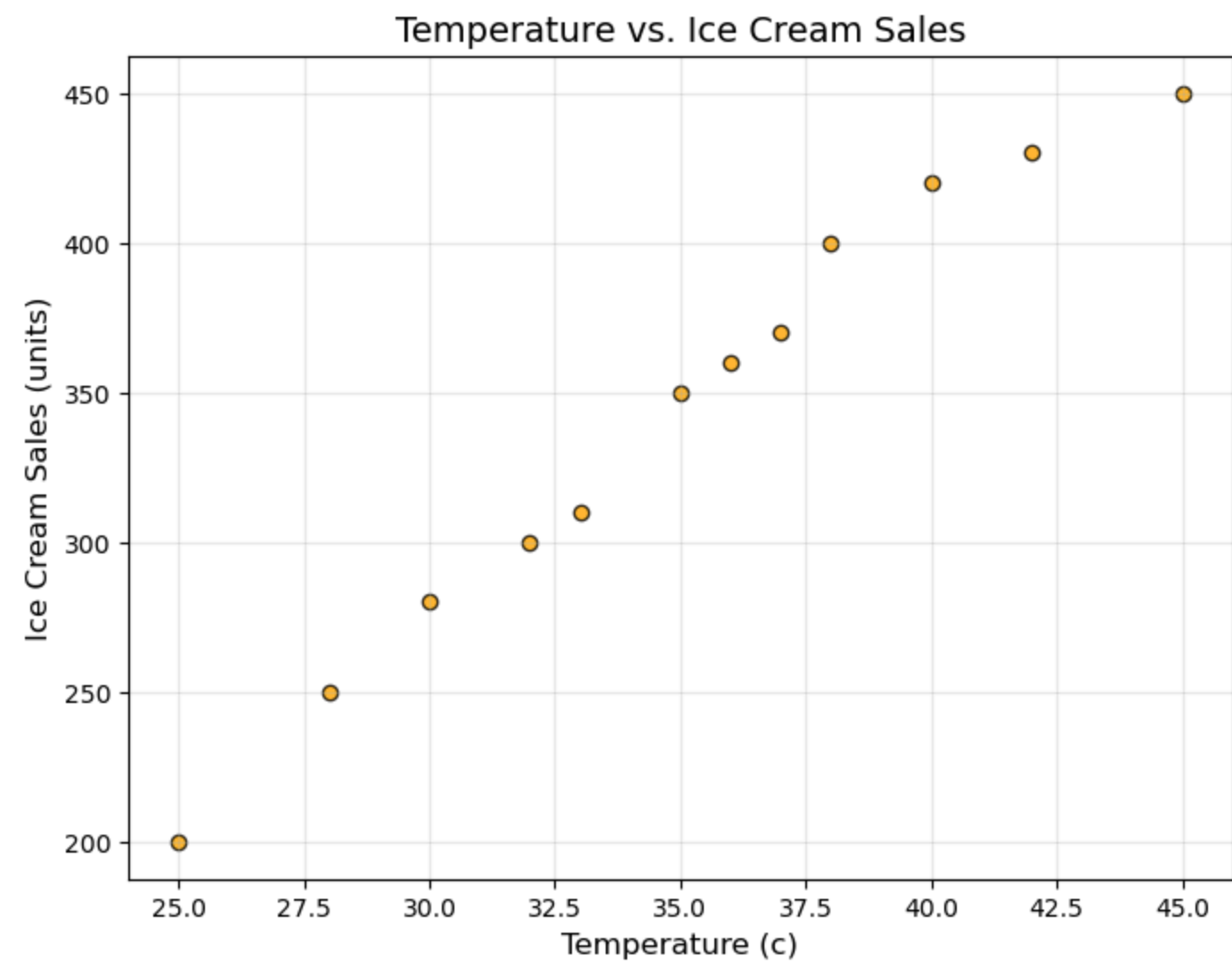
Temperature vs. Ice Cream Sales

In [ ]: