```
+ Code + Text All changes saved
                                                                                                                                                                                                                                                                                 ✓ RAM → + Gemini 🚉 🏚
E
Q
        import numpy as np
{x}
                         # Generate sample data np.random.seed(42)
                         rp.random.see(42)
customer_id = np.arange(1, 201)
gender = np.random.choice(['Male', 'Female'], size=200)
age = np.random.randint(18, 70, size=200)
annual_income = np.random.randint(15, 137, size=200)
spending_score = np.random.randint(1, 100, size=200)
∞
# Create DataFrame
                        # Create DataFrame
data = pd.DataFrame{{
    'CustomerID': customer_id,
    'Gender': gender,
    'Age': age,
    'Annual Income (ks)': annual_income,
    'Spending Score (1-100)': spending_score
                        # Display the first few rows of the dataset print(data.head())
                        # Basic statistics of the dataset
print(data.describe())
                        # Visualize the distribution of Annual Income and Spending Score
sns.scatterplot(data=data, x='Annual Income (k$)', y='Spending Score (1-100)')
plt.title('Annual Income vs Spending Score')
plt.xlabel('Annual Income (k$)')
plt.ylabel('Spending Score (1-100)')
                         plt.grid(True)
                          plt.show()
\langle \rangle
                              CustomerID Gender Age Annual Income (k$) Spending Score (1-100)

1 Male 49 68 69

2 Female 56 22 47

3 Male 66 41 94
±
\Sigma_{\rm m}
                                                                                                                                                                    completed at 3:52 PM
```





















