import matplotlib.pyplot as plt

# Transaction statistics

amount\_thresholds = [50,100, 150, 200]

normal\_transactions = [189399,227060, 57255, 39815, 29230]

fraud\_transactions = [305, 362, 130, 99, 85]

# Bar chart data

x\_labels = ['<50', '<100','>=100', '>=150', '>=200']

x = range(len(x\_labels))

# Plotting the bar chart

plt.bar(x, normal\_transactions, width=0.4, label='Normal Transactions')

plt.bar(x, fraud\_transactions, width=0.4, bottom=normal\_transactions, label='Fraud Transactions')

# Adding labels and titles

plt.xlabel('Amount Threshold')

plt.ylabel('Number of Transactions')

plt.title('Transaction Distribution by Amount Threshold')

plt.xticks(x, x\_labels)

plt.legend()

for i, j in enumerate(normal\_transactions):

plt.text(i, j, str(j), ha='center', va='bottom', fontsize=8)

#plt.text(i, j + fraud\_transactions[i], str(fraud\_transactions[i]), ha='center', va='bottom', fontsize=8)

# Displaying the bar chart

plt.tight\_layout()

# Displaying the bar chart

plt.show()

# tabular format - copy in clibboard

empdata\_describe = empdata.describe()

empdata\_describe.to\_clipboard(index=True)

empdata\_describe = empdata.describe()

tabular\_output = empdata\_describe.to\_string()

print(tabular\_output)

empdata\_describe = empdata.describe()

tabular\_output = empdata\_describe.to\_string(index=True)

print(tabular\_output)