



Sales vs City graphical statement

State

Nevada

Oregon

Utah

300000

200000

100000

175000

80000

for bars in br.containers:
 br.bar_label(bars)

0

California

Out[11]: [Text(0.5, 1.0, 'Sales vs City graphical statement')]

Out[12]: [Text(0.5, 1.0, 'Profit vs State graphical statement')]

Washington

Arizona

Colorado

sns.scatterplot(x='City', y='Sales', data=sales_city, hue='City').set(title=("Sales vs City graphical statement"))

Oregon

Nevada Utah Montana

ldaho

City

State

New Mexico

Montana

New Mexico

ldaho

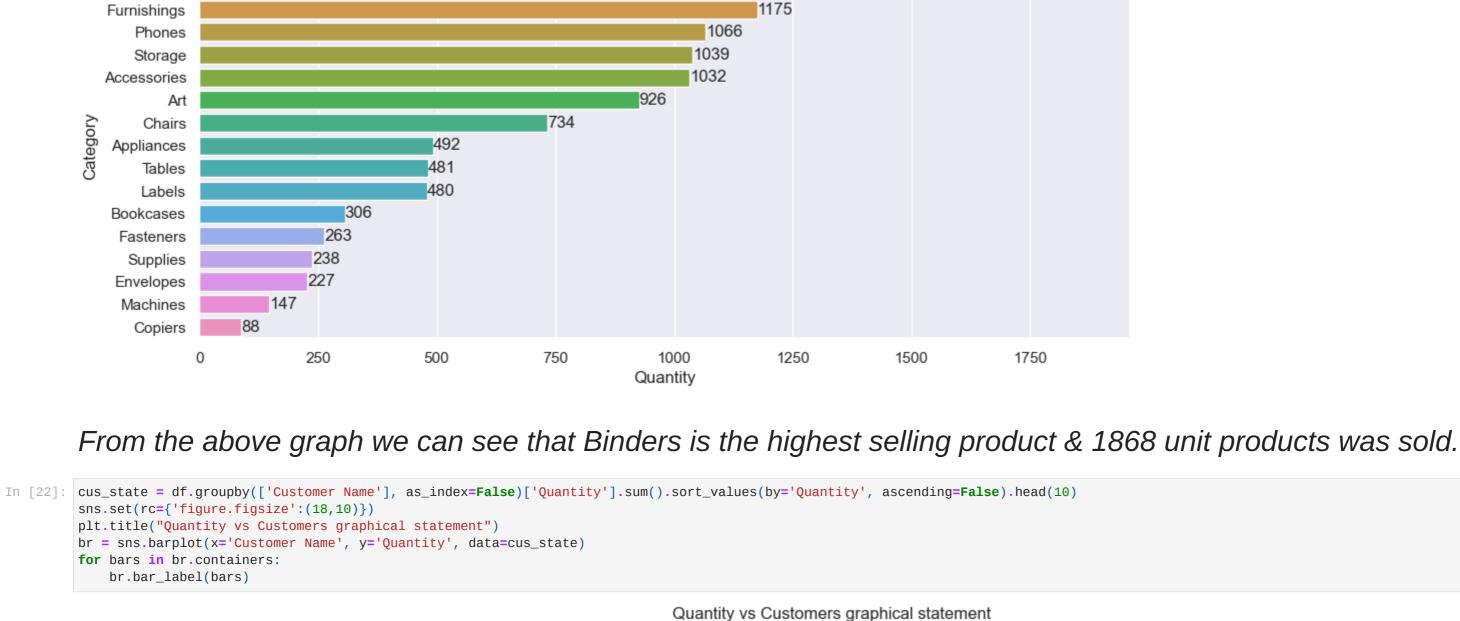
Los Angeles Seattle 150000 San Francisco San Diego 125000 Denver Phoenix North Las Vegas 100000 Sales Anaheim Fresno 75000 Sacramento 50000 25000 0 San Francisco San Diego Phoenix North Las Vegas Anaheim Seattle Denver City From the above graph we can see that Los Angles is the City with the most shopping. In [12]: prof_state = df.groupby(['State'], as_index=False)['Profit'].sum().sort_values(by='Profit', ascending=False).head(10) sns.scatterplot(x='State', y='Profit', data=prof_state, hue='State').set(title=("Profit vs State graphical statement"))

Profit vs State graphical statement

California 70000 Washington Nevada 60000 Utah Montana 50000 New Mexico ldaho 40000 Wyoming Oregon 30000 Arizona 20000 10000 0 California Washington New Mexico Oregon Utah Nevada Montana ldaho Wyoming Arizona State From the above graph we can see that highest profit gained from the state California. In [26]: cus_state = df.groupby(['Category'], as_index=False)['Quantity'].sum().sort_values(by='Quantity', ascending=False) sns.set(rc={'figure.figsize':(12,5)}) plt.title("Quantity vs Customers graphical statement") br = sns.barplot(y='Category', x='Quantity', data=cus_state)

Quantity vs Customers graphical statement

Binders
Paper
1702



93 79 76 74 72 69 65 65 64 63 63 20

Greg Guthrie

From the above graph we can see that William Brown is the customer with highest number of order.

Customer Name

Lena Creighton

Ruben Dartt

Arianne Irving

Keith Herrera

Clay Ludtke

In [15]: cus_state = df.groupby(['Customer Name'], as_index=False)['Sales'].sum().sort_values(by='Sales', ascending=False).head(10)
sns.set(rc={'figure.figsize':(18,10)})
ln = sns.barplot(x='Customer Name', y='Sales', data=cus_state)
for bar in ln.containers:

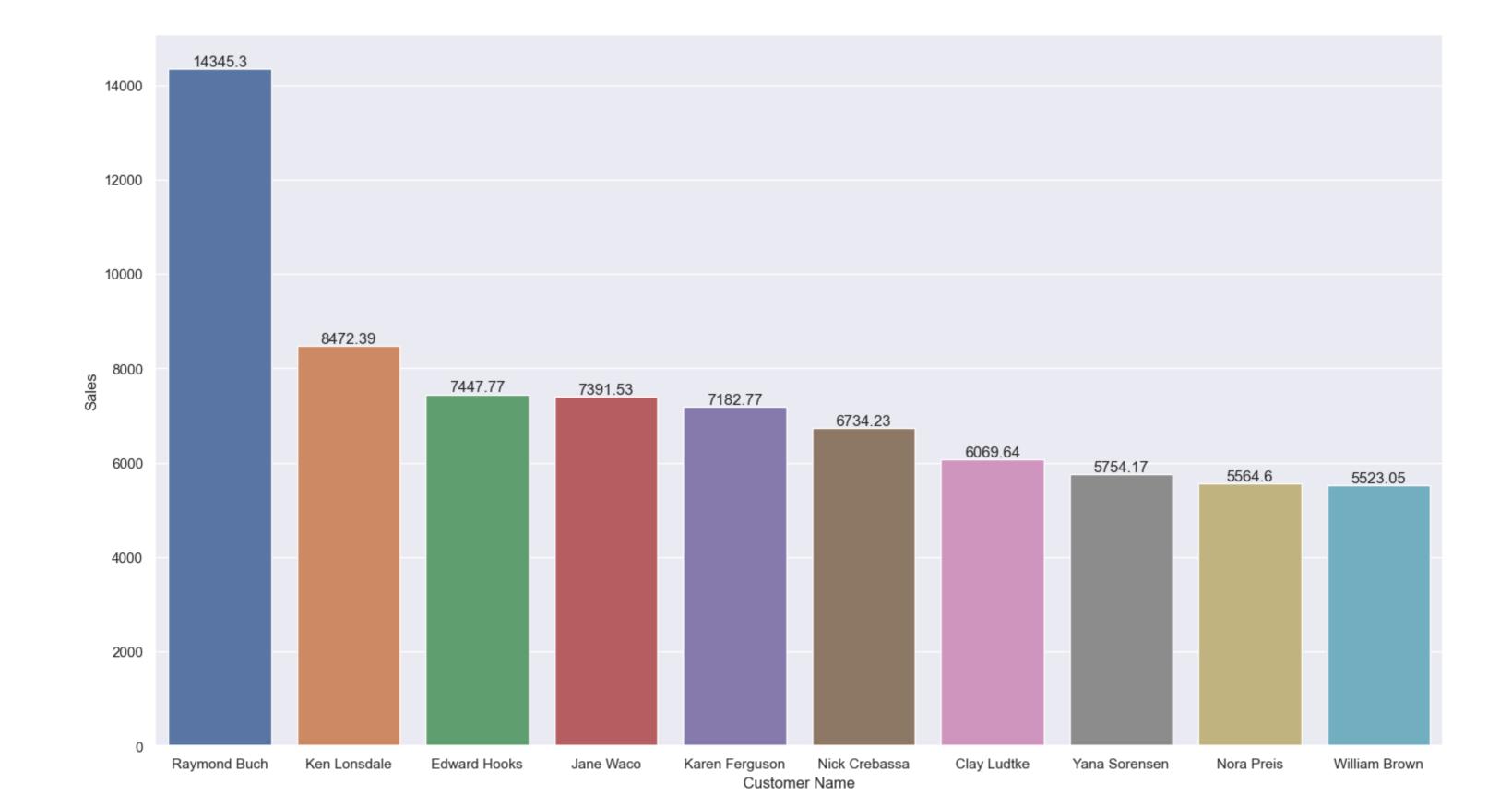
Steven Cartwright

Rick Wilson

Arthur Prichep

William Brown

ln.bar_label(bar)



From the above graph we can see that Raymond Buch is the Customer with the highest amount of order.