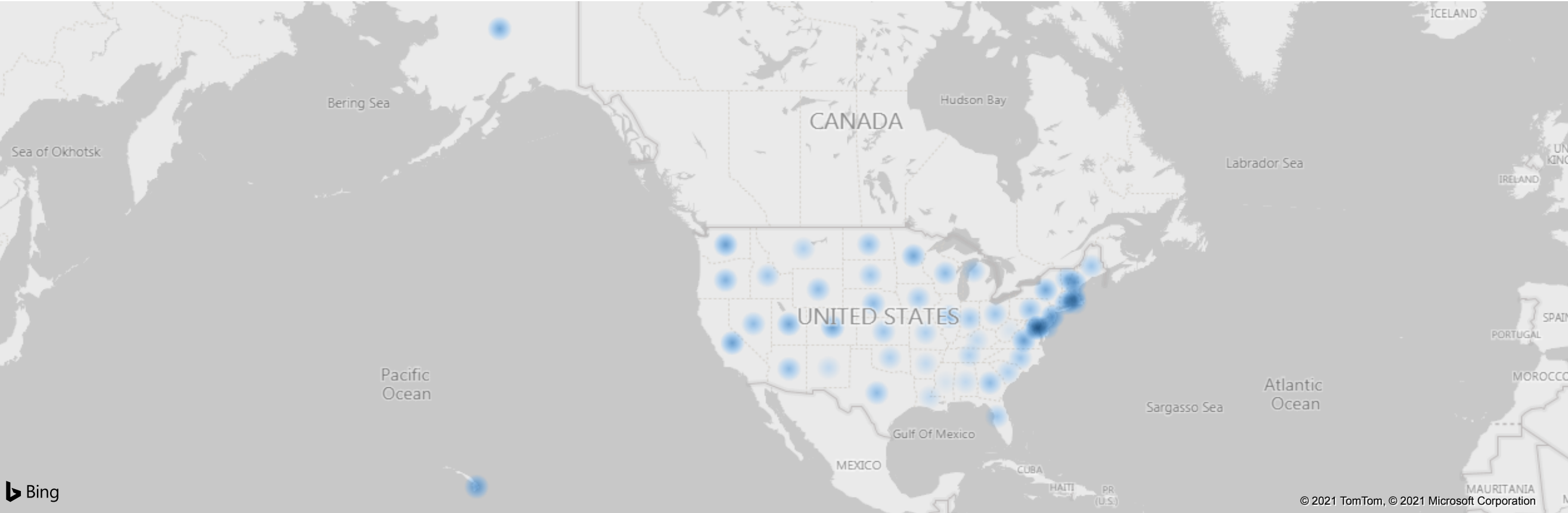# Distribution of average income across USA
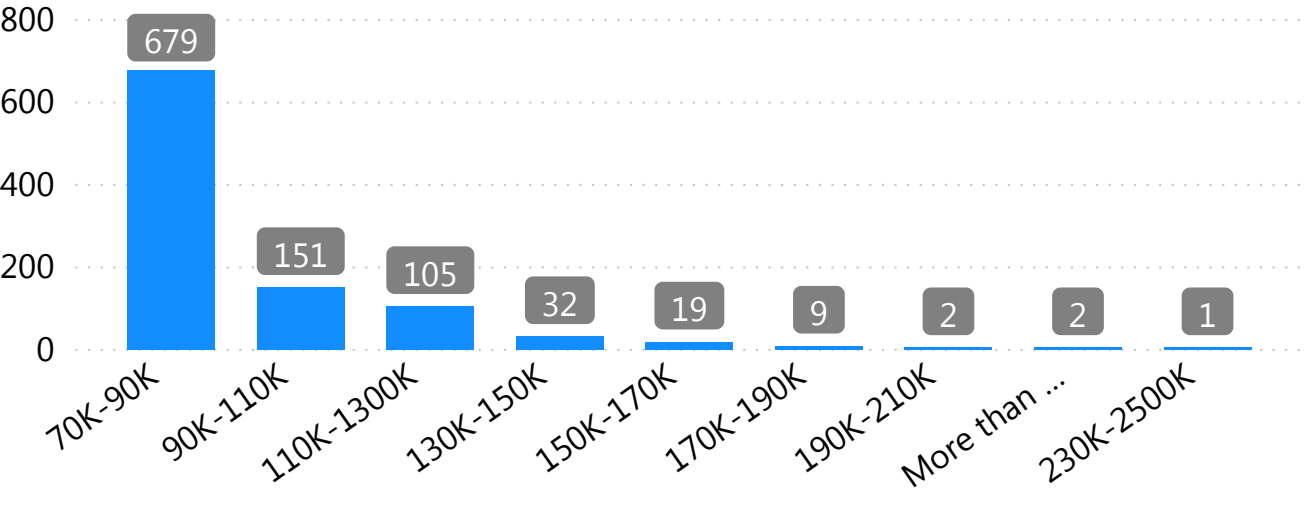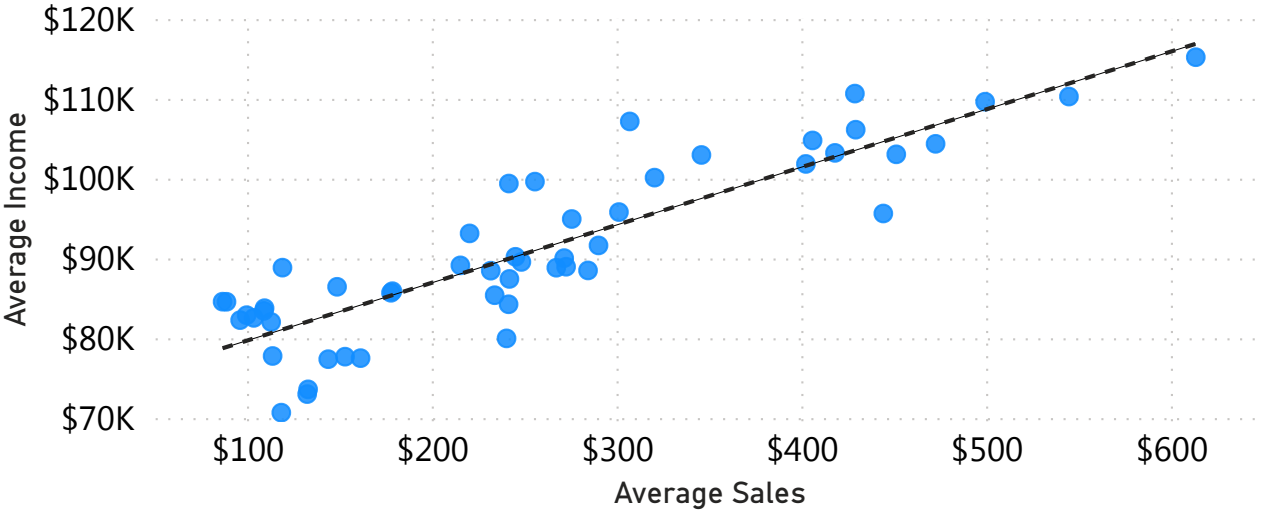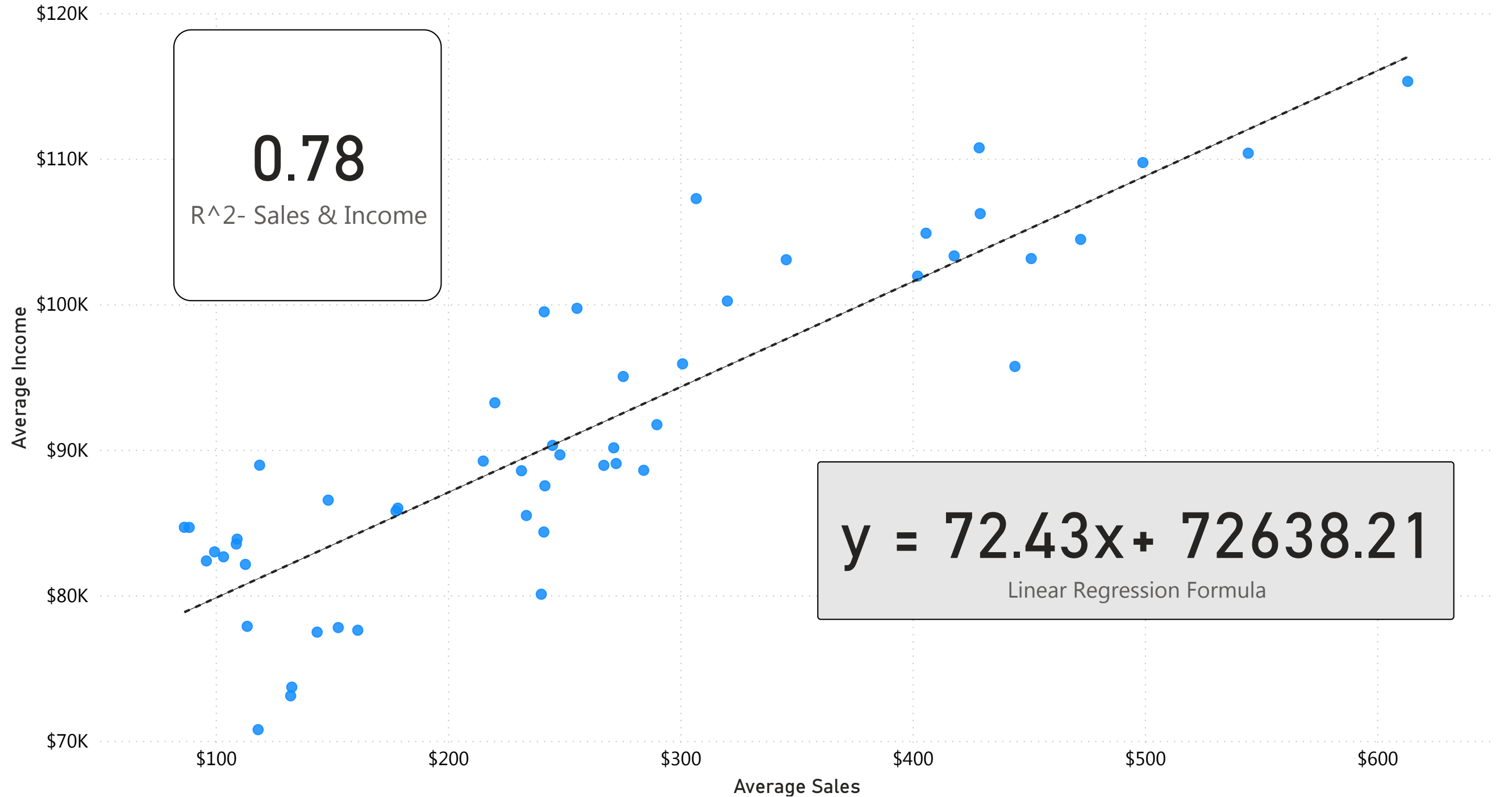

Histogram of Predicted Customer Income

Bin	Count
70K-90K	679
90K-110K	151
110K-1300K	105
130K-150K	32
150K-170K	19
170K-190K	9
190K-210K	2
More than ...	2
230K-2500K	1

Avg Income Vs Avg Sales

Avg Income Vs Avg Sales

0.78
R^2- Sales & Income

y = 72.43x+ 72638.21
Linear Regression Formula

Average Income

Average Sales

Customer Ratings Vs Product Return Rate

Return Rate

Customer Rating (stars)

0.02

0.01

0.00

3.0   3.2   3.4   3.6   3.8   4.0   4.2   4.4   4.6   4.8   5.0

0.69
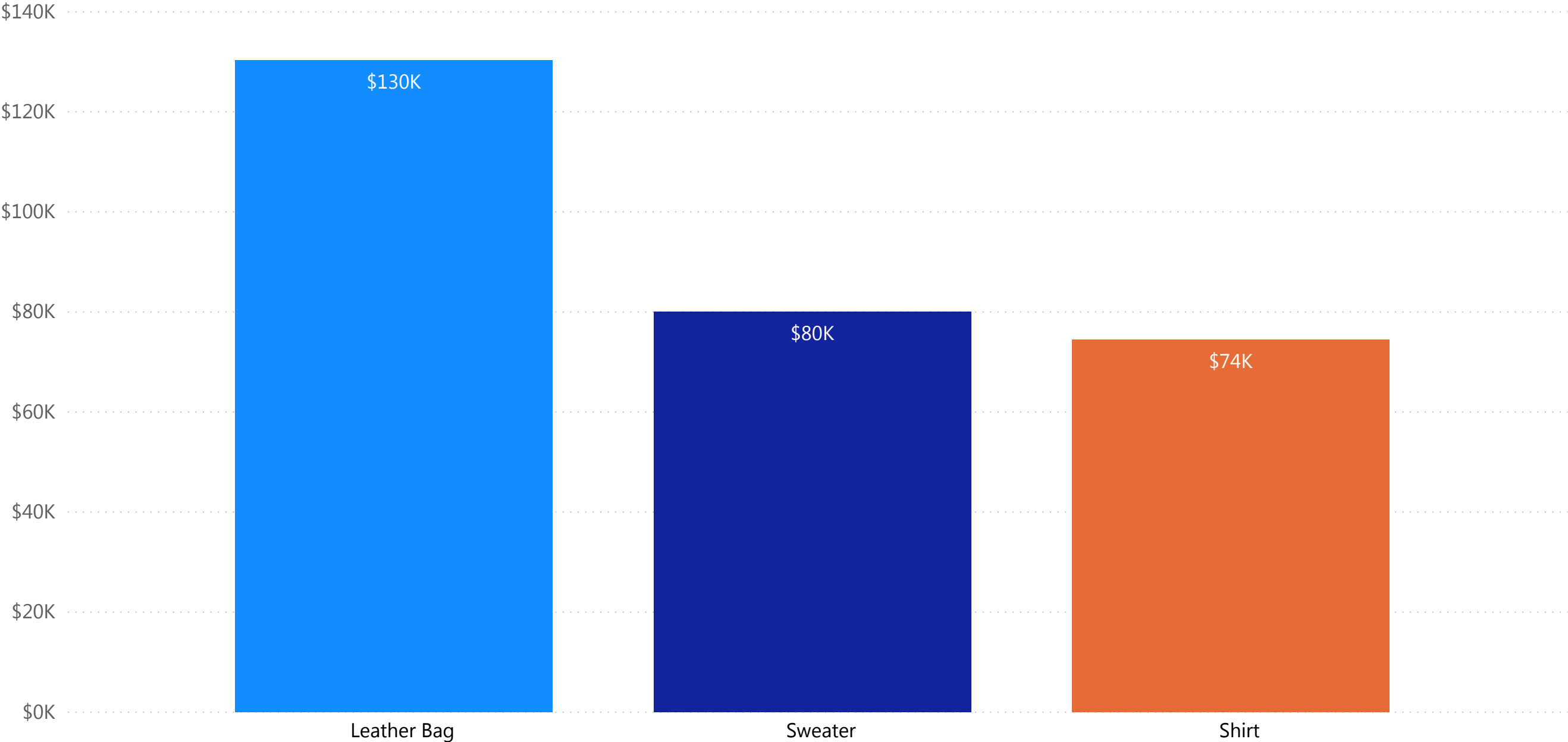R^2- Rating & Return
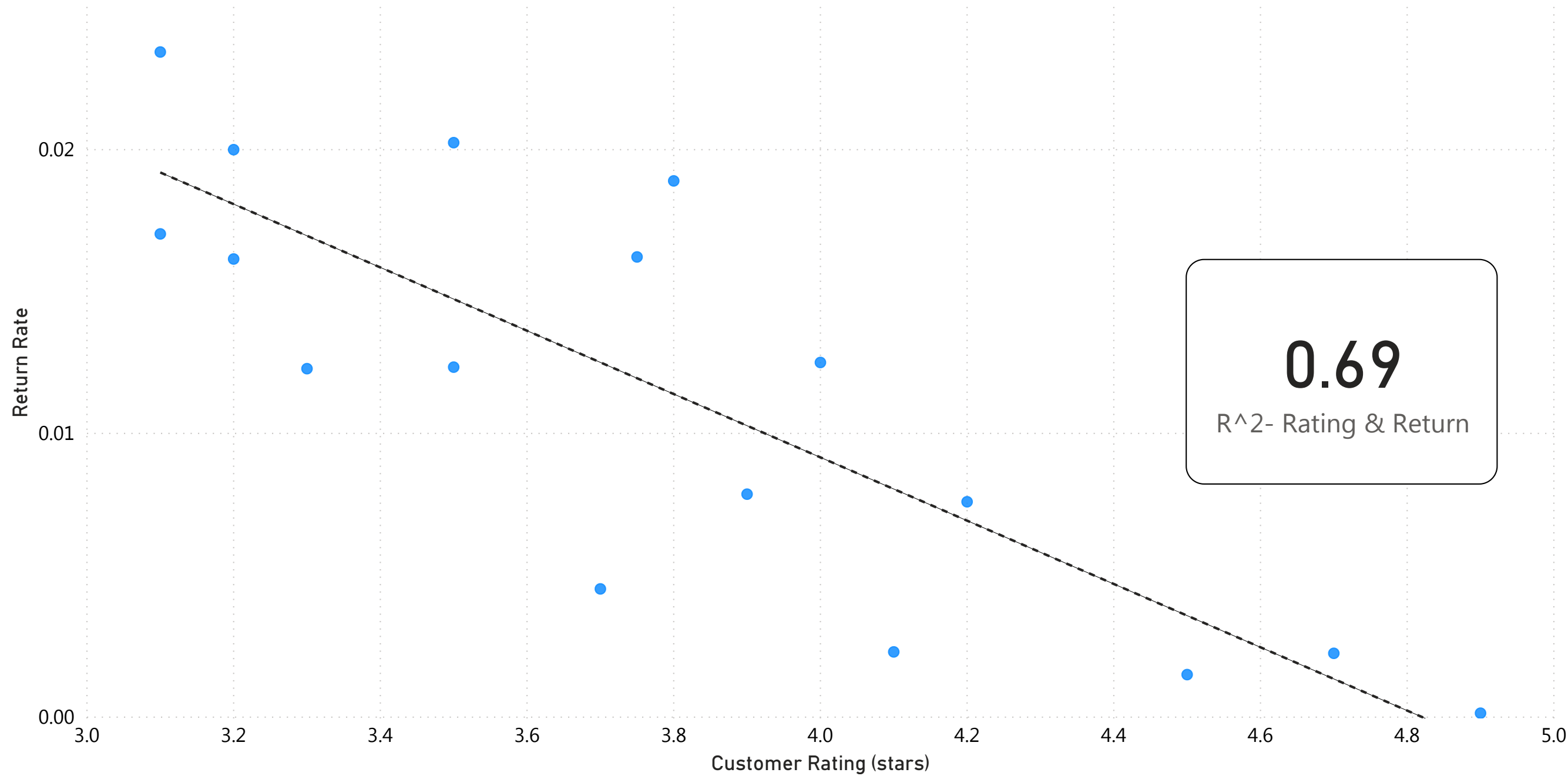
Last 6 Months Purchases Vs Predicted Customer Income
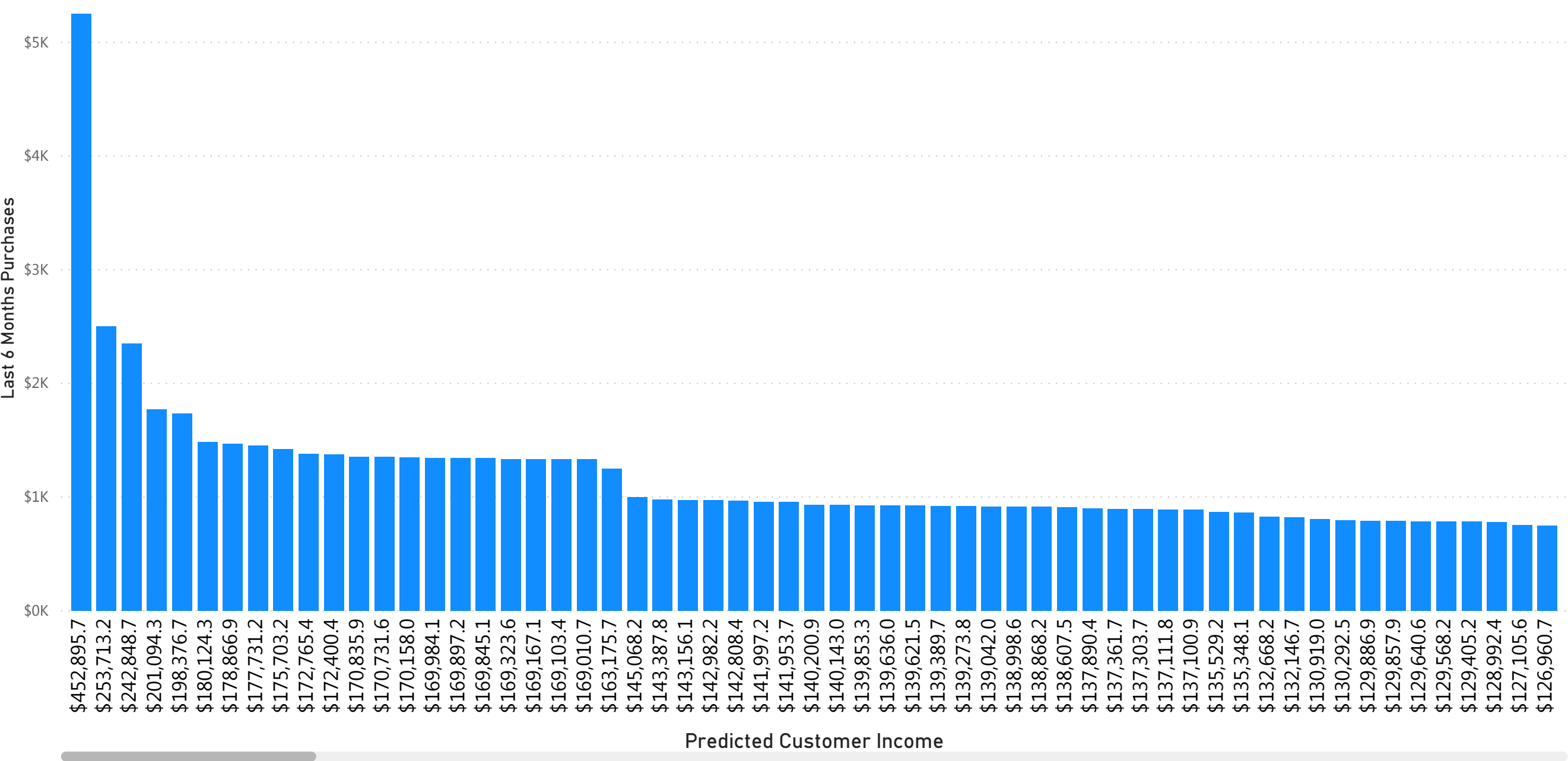
Product Recommendation According to Minimum Income

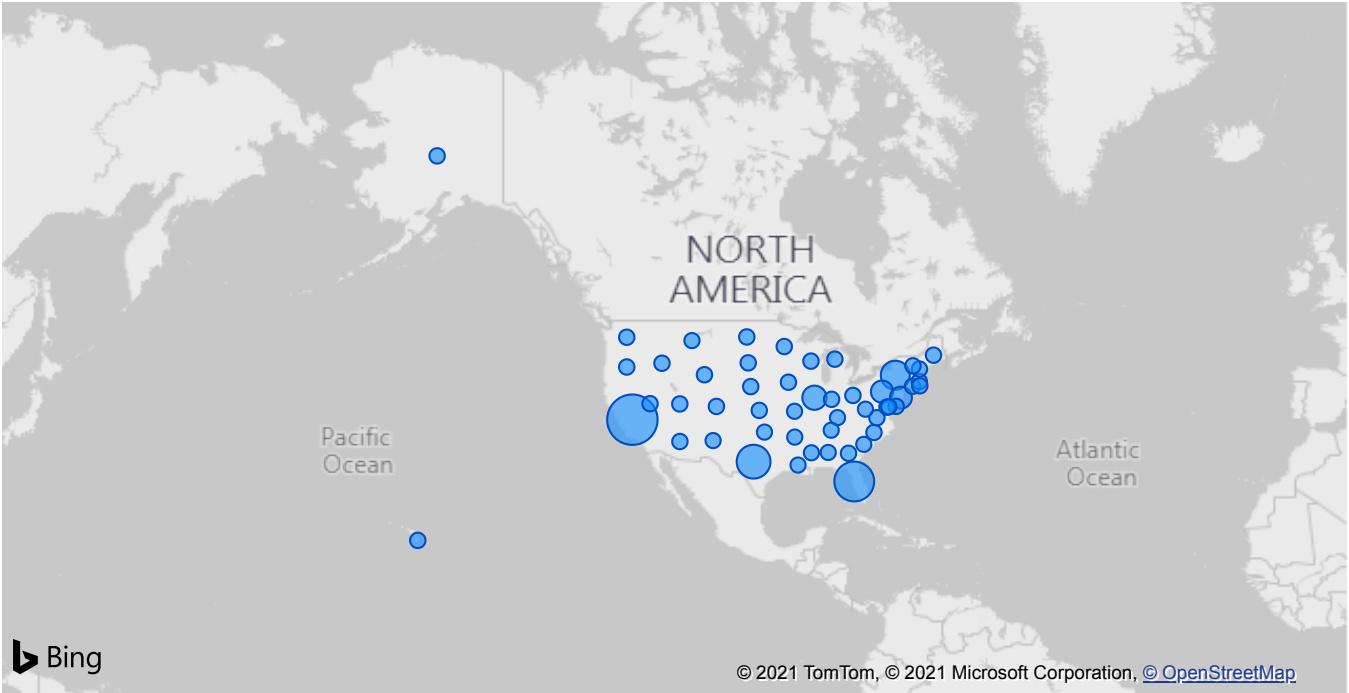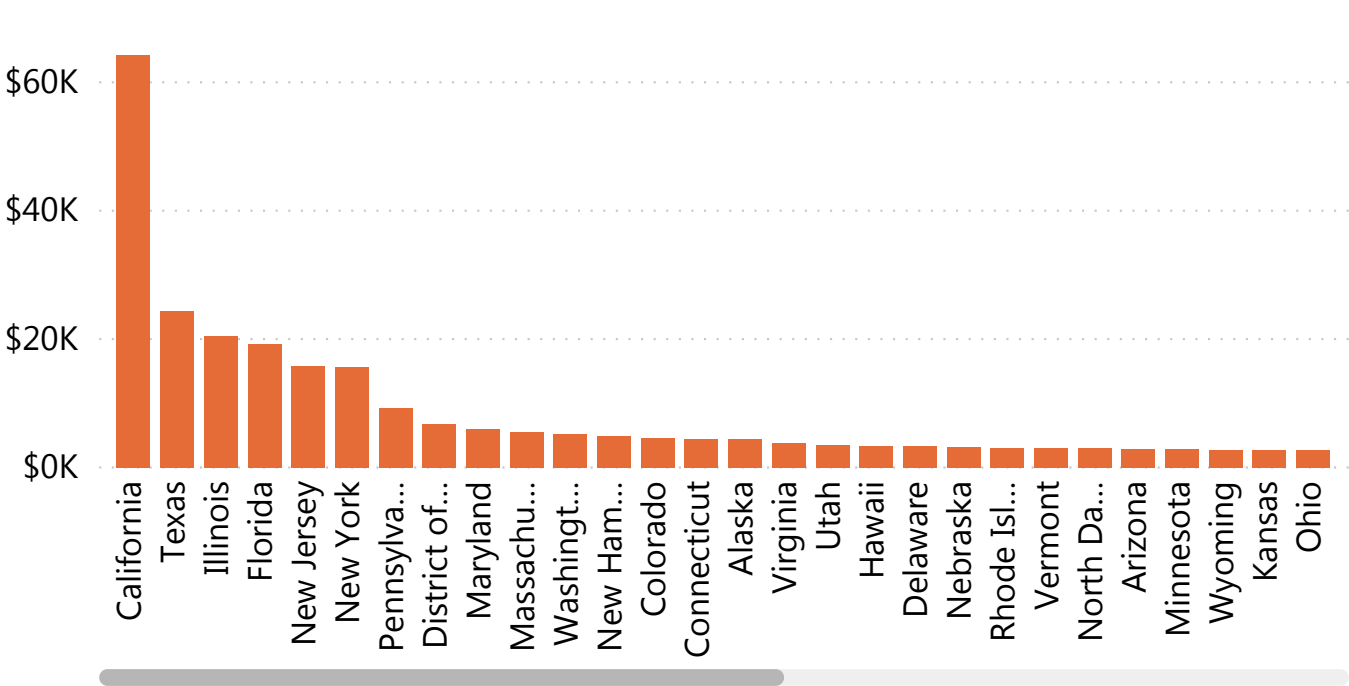**Recommended Product** ● Leather Bag ● Sweater ● Shirt

$140K

$130K

$120K

$100K

$80K — $80K

$74K

$60K

$40K

$20K

$0K

Leather Bag · · · · · · · · · · · · · Sweater · · · · · · · · · · · · · Shirt

Customer Ages

Age vs Number of Customers
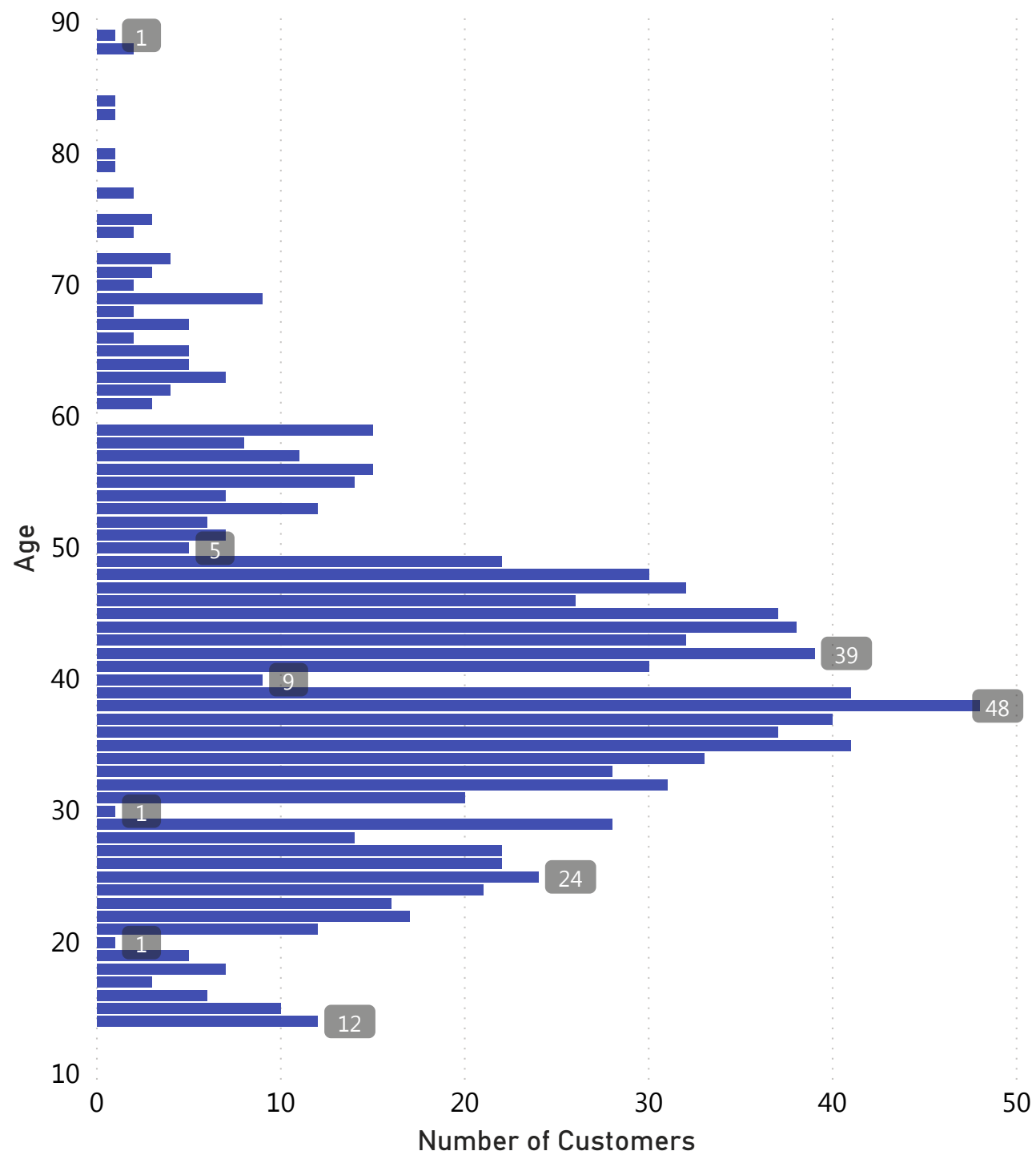
Customer Distribution by State

Bing
© 2021 TomTom, © 2021 Microsoft Corporation, © OpenStreetMap

Last 6 Months Purchases by State

California, Texas, Illinois, Florida, New Jersey, New York, Pennsylva..., District of..., Maryland, Massachu..., Washingt..., New Ham..., Colorado, Connecticut, Alaska, Virginia, Utah, Hawaii, Delaware, Nebraska, Rhode Isl..., Vermont, North Da..., Arizona, Minnesota, Wyoming, Kansas, Ohio

51
n

$13.03K
Sum_x

$4.65M
Sum_y

4.21M
Sum_x^2

429.57bn
Sum_y^2

1.25bn
Sum_xy

72.43
m

$72.64K
b

$$y = 72.43x + 72638.21$$
Final Formula