main page for plotly

Select data file and init proc

create graphs

the graphs

3D plots

Histo and regression

Project 3 ASU AI Course: Graphing Page

Summary stats: dataframe info

Summary stats: shape and value_counts

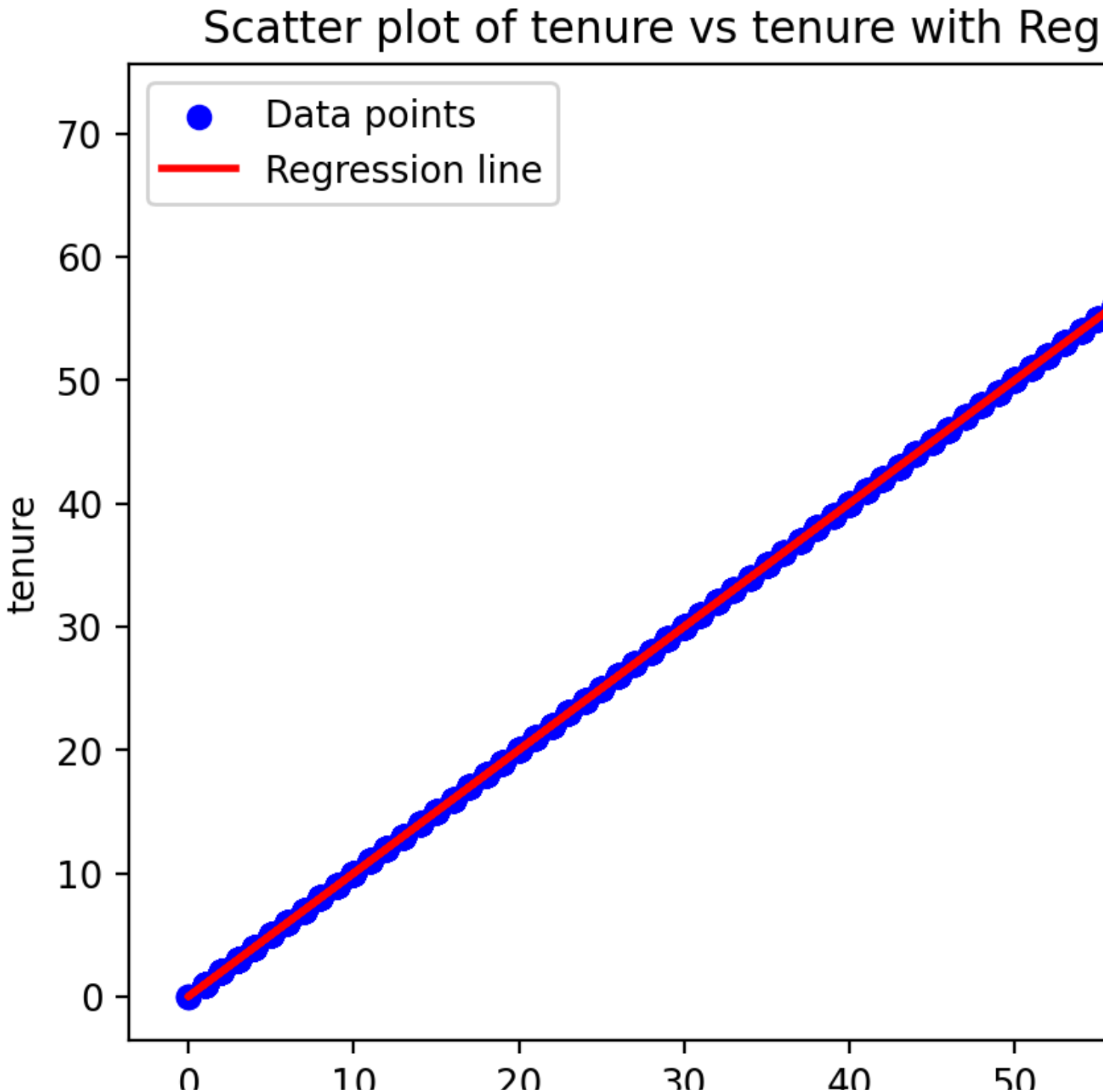
The Request: Create the python code to create an interactive scatter chart with the linear re streamlit. There should be two selectionboxs where the x and y columns from df_initial car would then update to show a scatter plot and regression line for the selected x and y colum

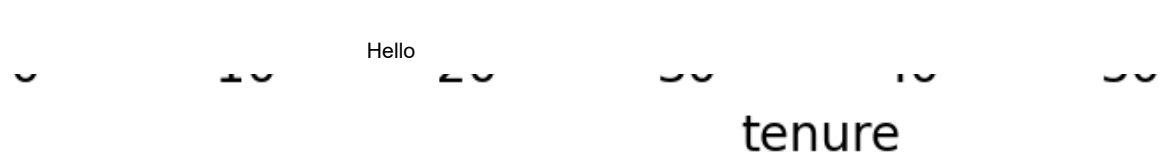
Select the X column

tenure

Select the Y column

tenure


Scatter plot of tenure vs tenure with Reg
Data points
Regression line
tenure
70
60
50
40
30
20
10
0
0
10
20
30
40
50



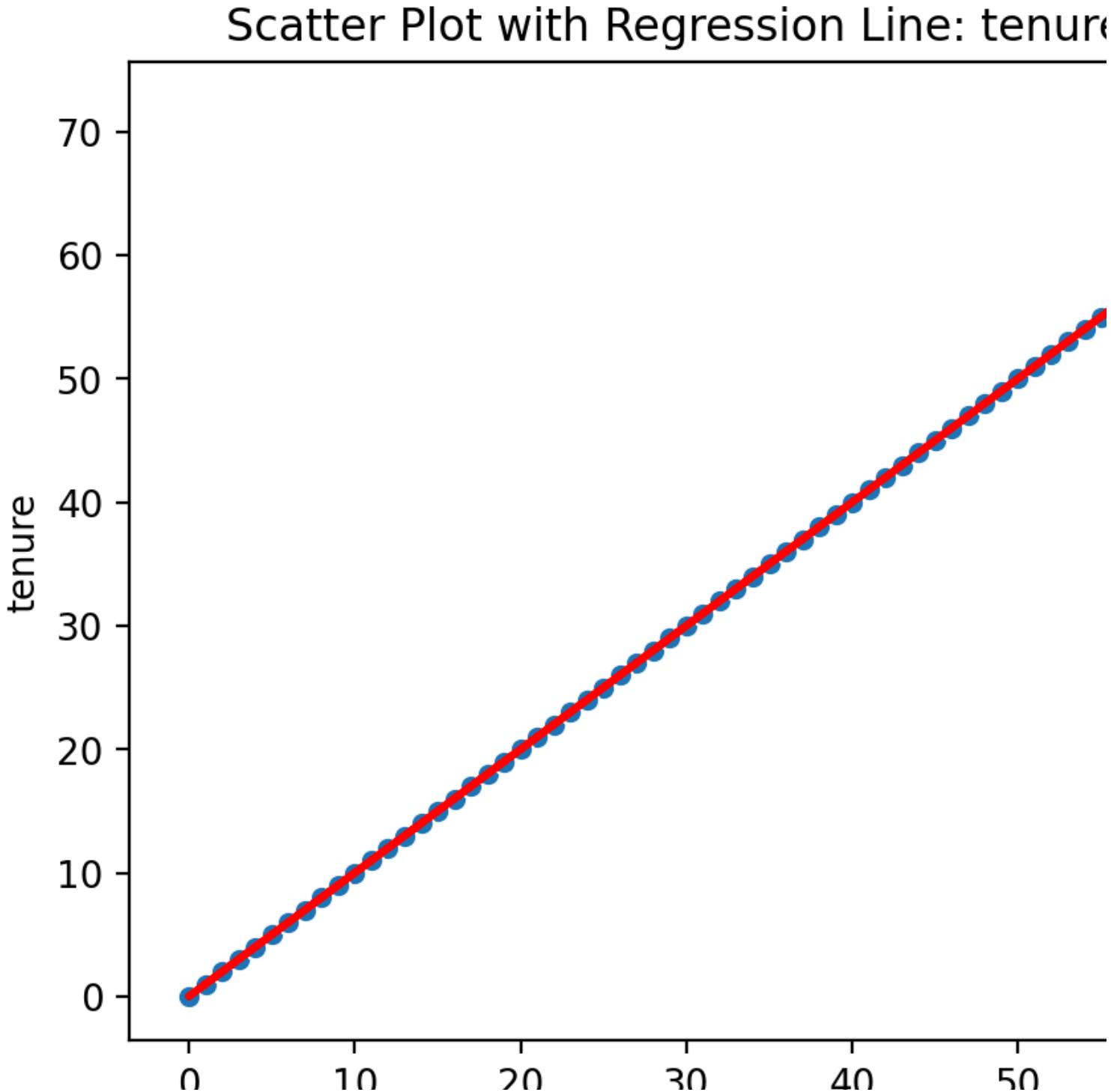
The Request: Create the python code to create an interactive scatter chart with the linear re
streamlit. There should be two selectionboxs where the x and y columns from df_initial car
would then update to show a scatter plot and regression line for the selected x and y colum

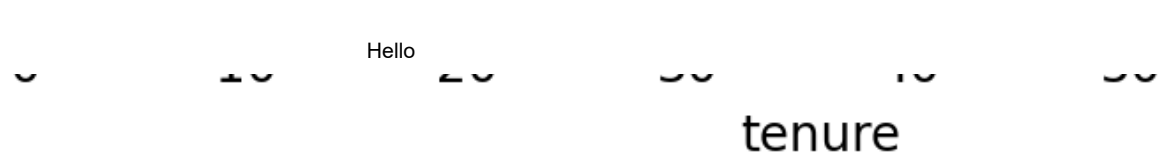
Select X-axis column

tenure

Select Y-axis column

tenure


Scatter Plot with Regression Line: tenure
tenure
70
60
50
40
30
20
10
0
0
10
20
30
40
50



The Request: Create the python code to create an interactive scatter chart with the linear re streamlit. There should be two selectionboxs where the x and y columns from df_initial car would then update to show a scatter plot and regression line for the selected x and y colum selections for x and y, using sklearn, calculate the equation for the regression line and the F the graph with the equation for the regression line and the R squared value.

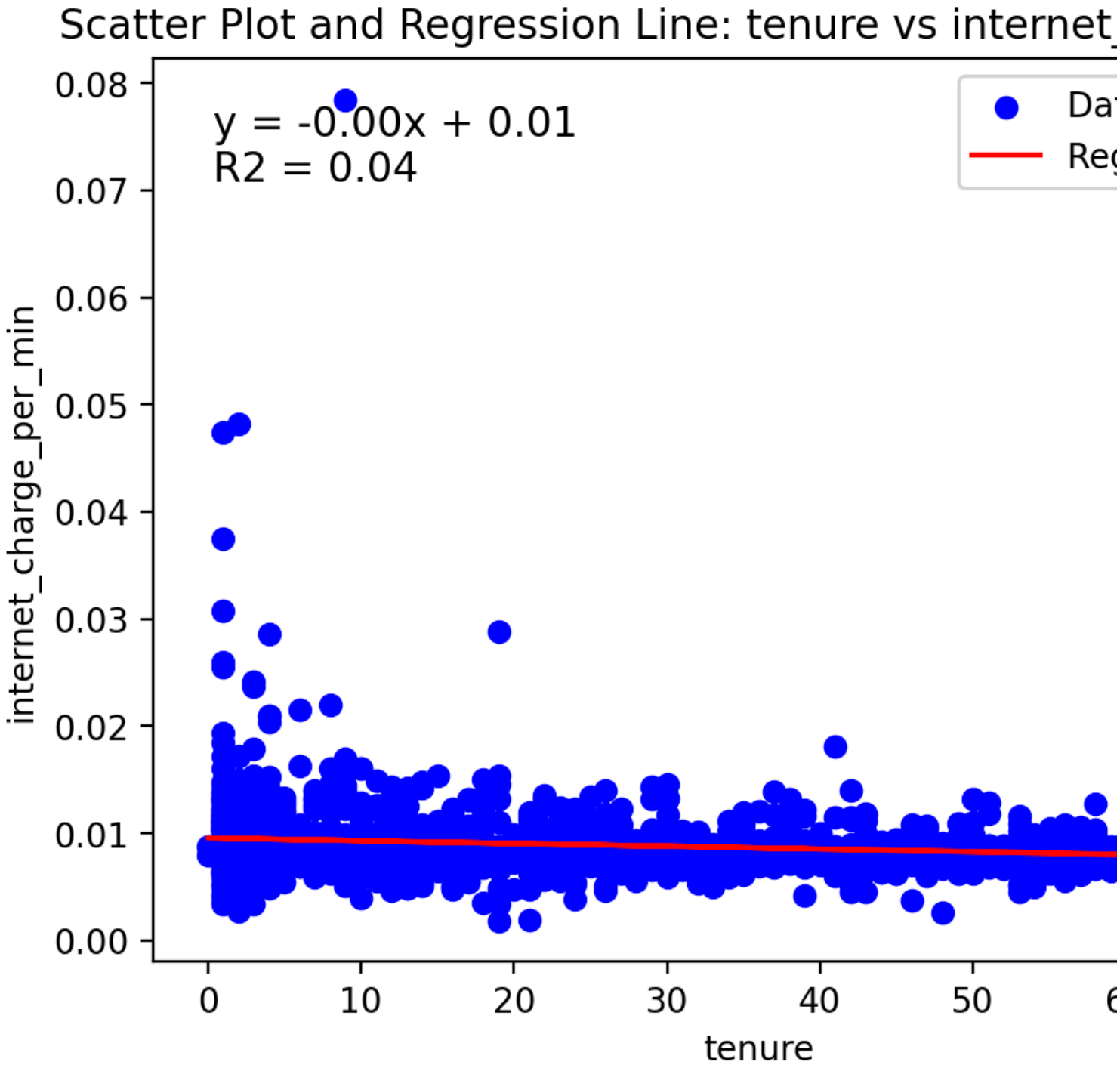
Interactive Scatter Plot with Regression Line

Select X-axis column

tenure

Select Y-axis column

internet_charge_per_min


Scatter Plot and Regression Line: tenure vs internet_
y = -0.00x + 0.01
R2 = 0.04
Da
Reg
internet_charge_per_min
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0.00
0
10
20
30
40
50
6
tenure

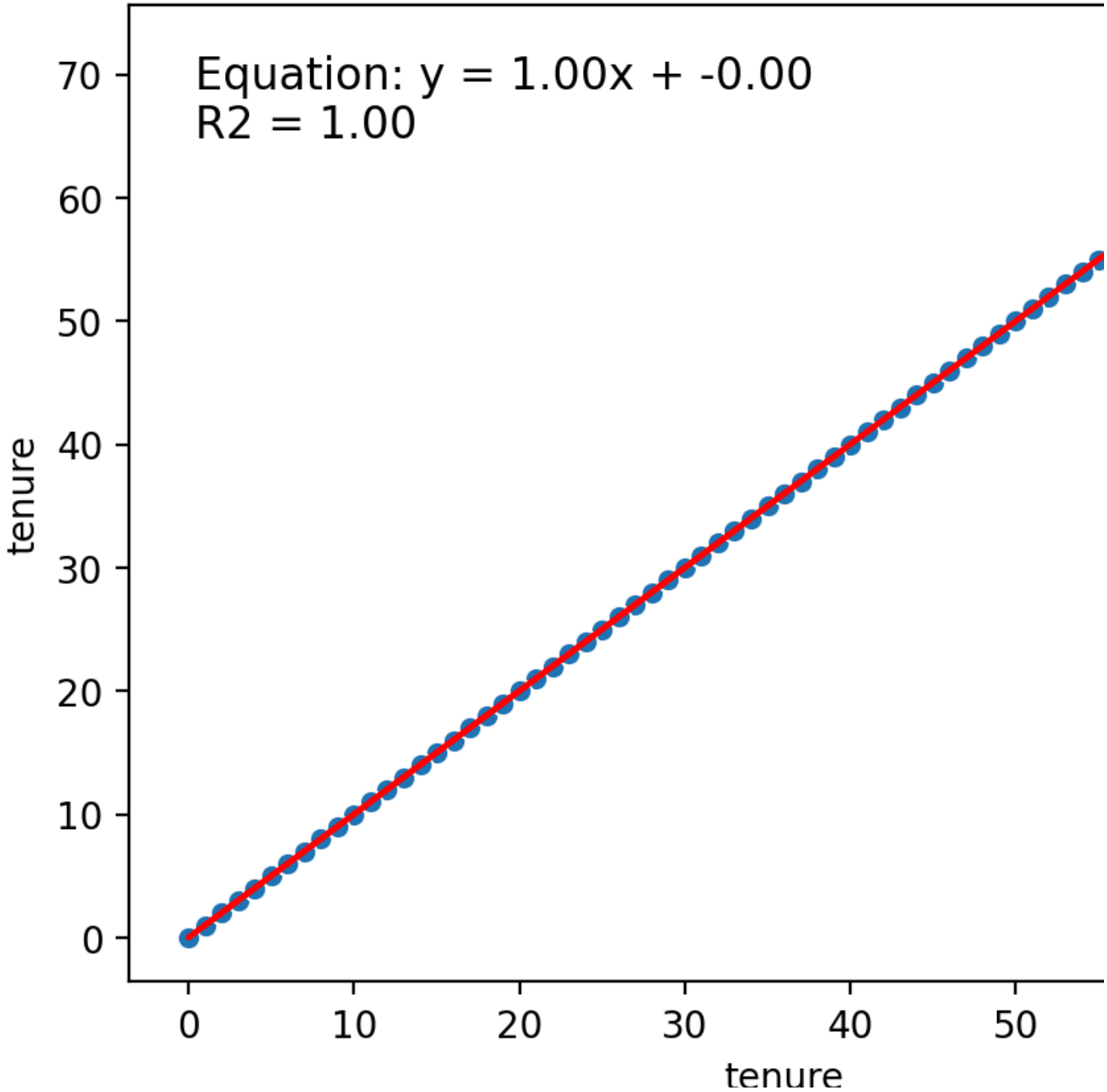
The Request: The Request: Create the python code to create an interactive scatter chart wit overlay in streamlit. There should be two selectionboxs where the x and y columns from df chart would then update to show a scatter plot and regression line for the selected x and y to the selections for x and y, using sklearn, calculate the equation for the regression line an Annotate the graph with the equation for the regression line and the R squared value. Labe

Select X column

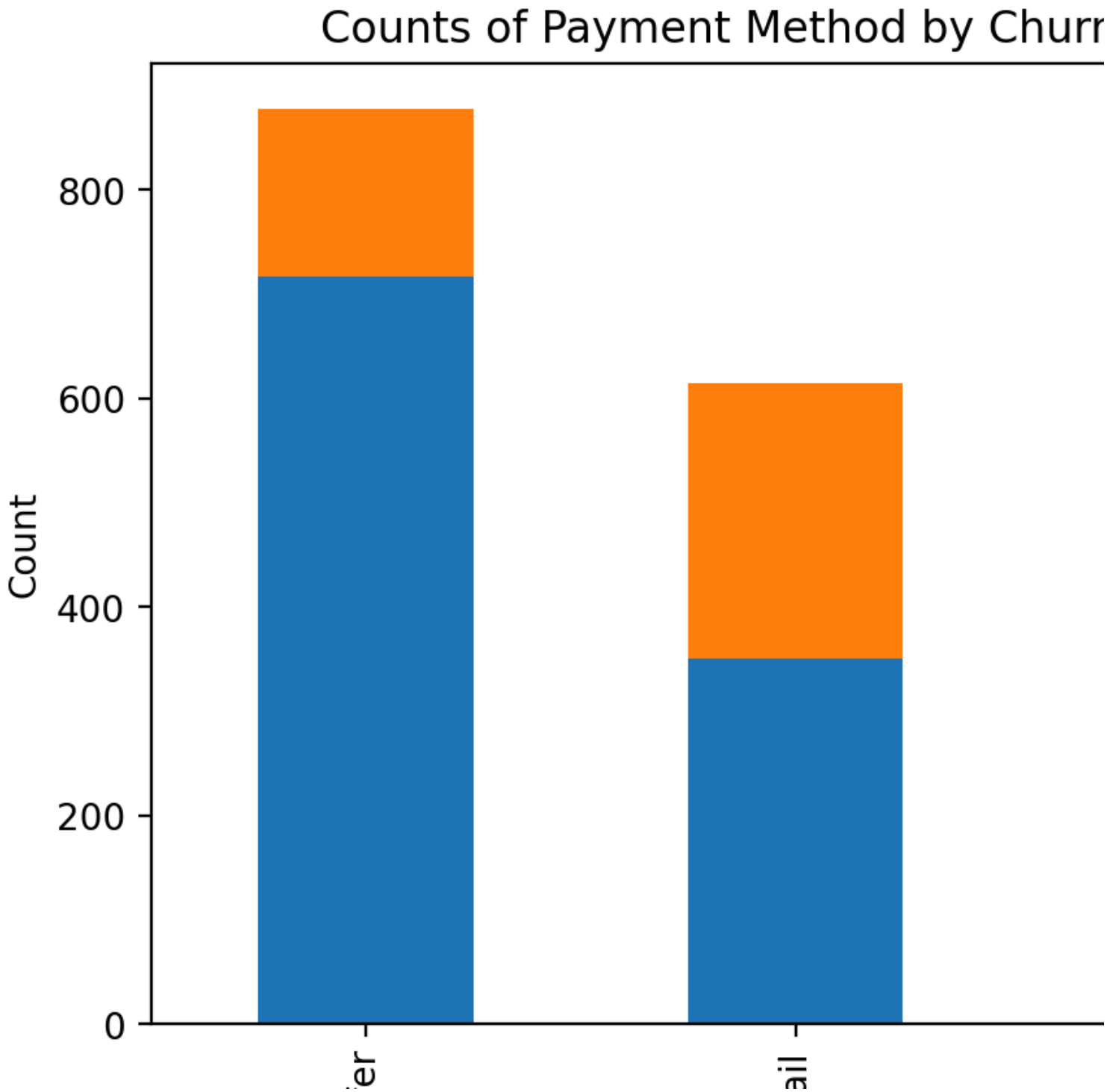
tenure

Select Y column

tenure


Equation: y = 1.00x + -0.00
R2 = 1.00
tenure
0
10
20
30
40
50
60
70
0
10
20
30
40
50
tenure

The Request: Generate a stacked bar chart of counts of payment_method. The bottom part for churn=0 versus the top of the stacked bar should be for churn=1.


Counts of Payment Method by Churr
800
600
400
200
0
Count
er
ail

automatic transf

emi

Payment Method