

Data Visualization

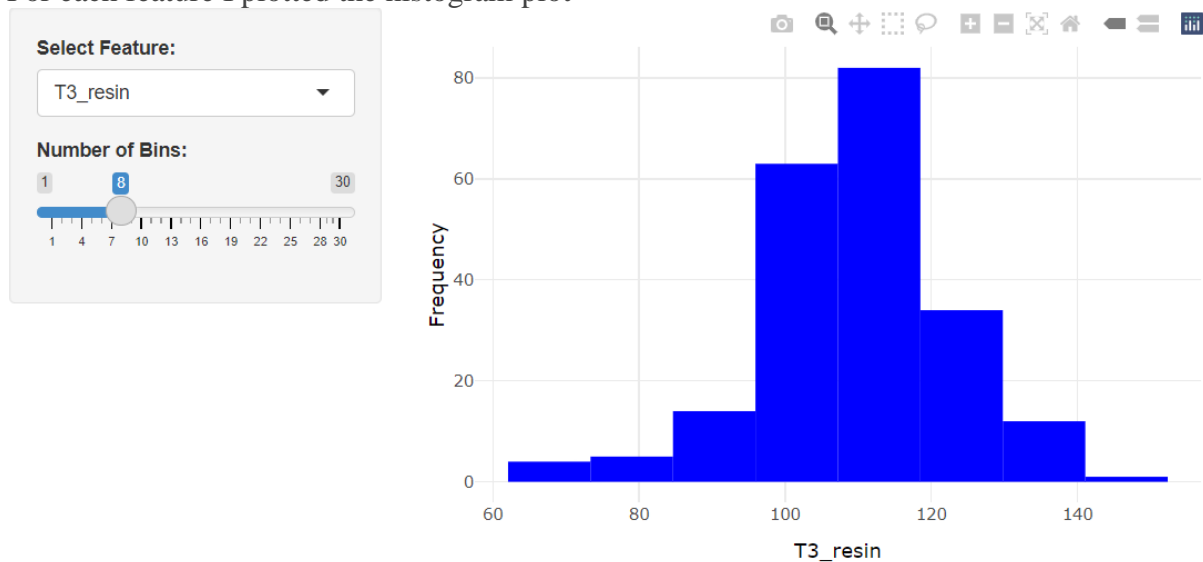
Lab 8

Rutuja Janabndhu

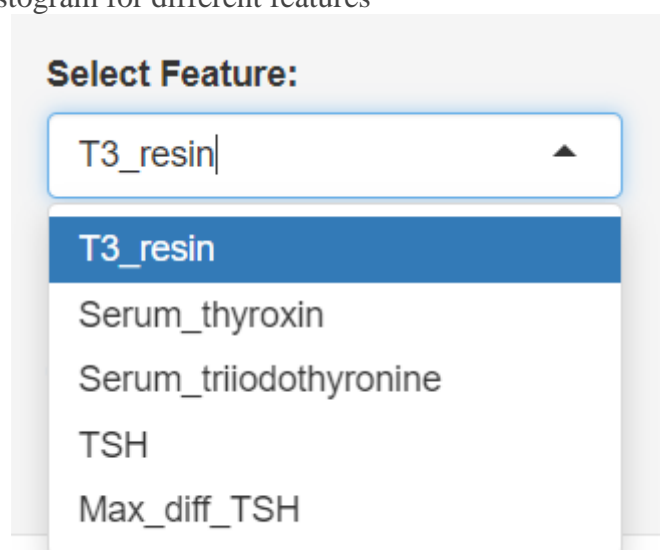
B21AI017

Histogram Plot:

For each feature I plotted the histogram plot

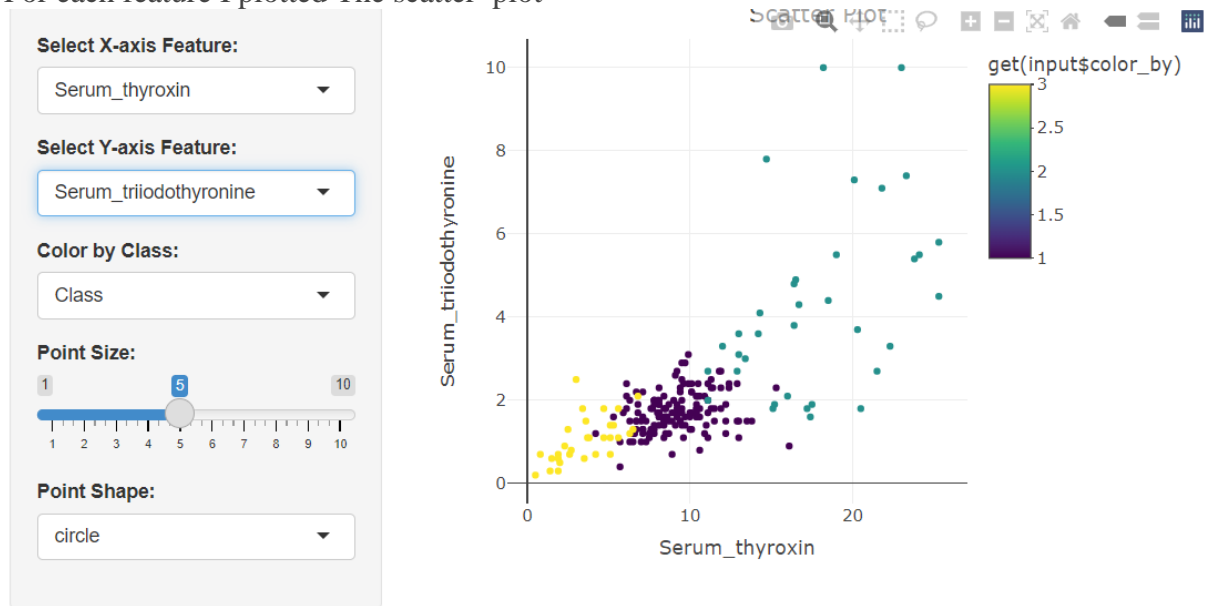


Can visualize the histogram for different features



Scatter Plot:

For each feature I plotted The scatter plot



Can visualize according to x and y axis features.

Select X-axis Feature:

Serum_thyroxin

T3_resin

Serum_thyroxin

Serum_triiodothyronine

TSH

Max_diff_TSH

Select Y-axis Feature:

Serum_triiodothyronine

T3_resin

Serum_thyroxin

Serum_triiodothyronine

TSH

Max_diff_TSH

Also, by color by class

Color by Class:

Serum_thyroxin ▲

Class

T3_resin

Serum_thyroxin

Serum_triiodothyronine

TSH

Max_diff_TSH

Also can visualize the scatter plot by changing the scatter point size and shape.

Point Size:

1 6 10

1 2 3 4 5 6 7 8 9 10

Point Shape:

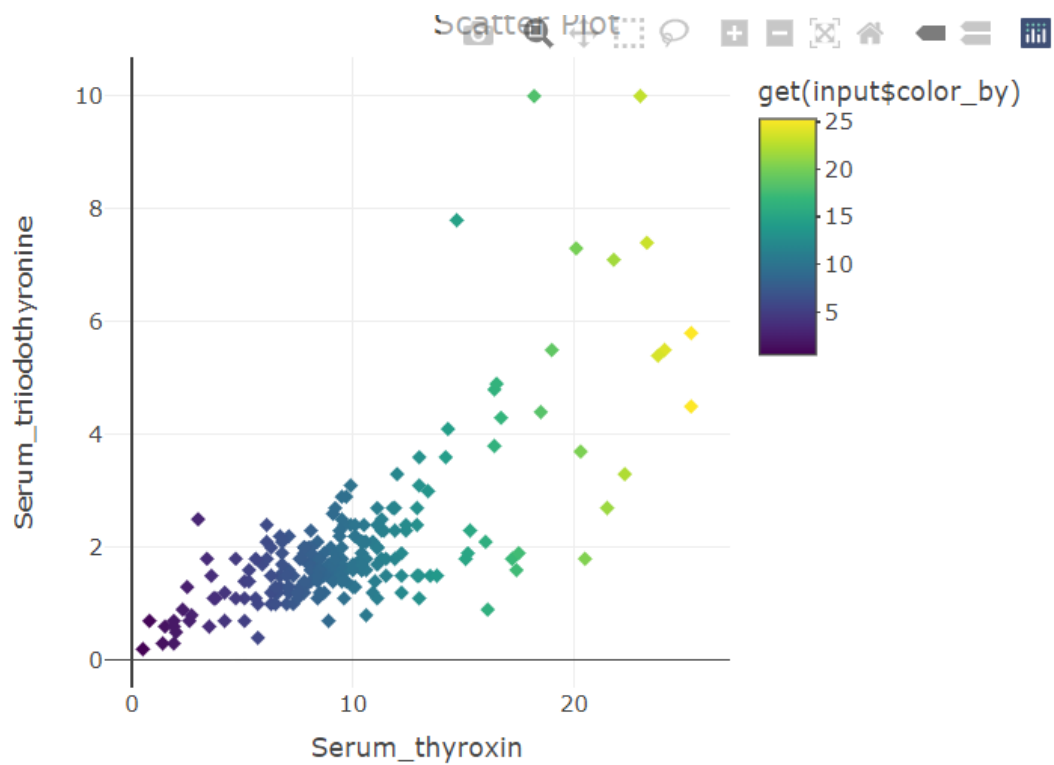
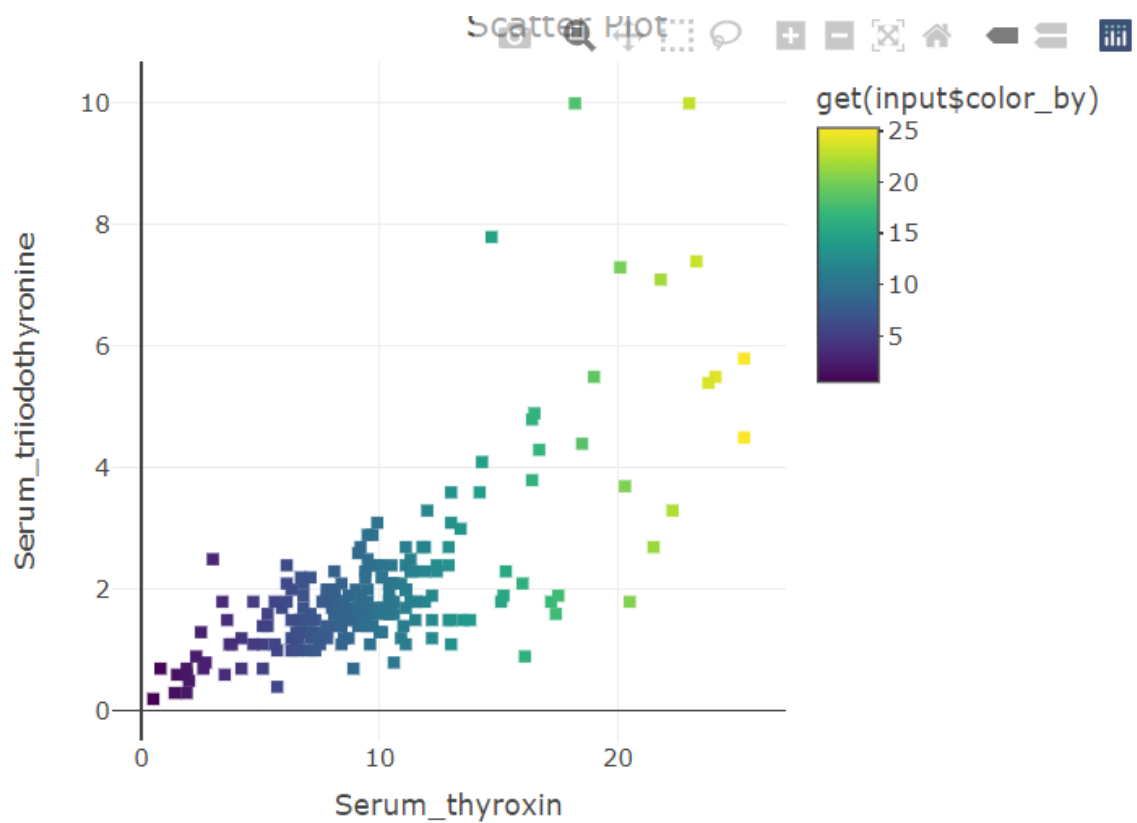
circle ▲

circle

square

diamond

Here are two plots with different point size and different point shapes (Square and Diamond)



Violin Plot:

For each feature I plotted both violin as well as box plot
T3_resin feature violin and box plot

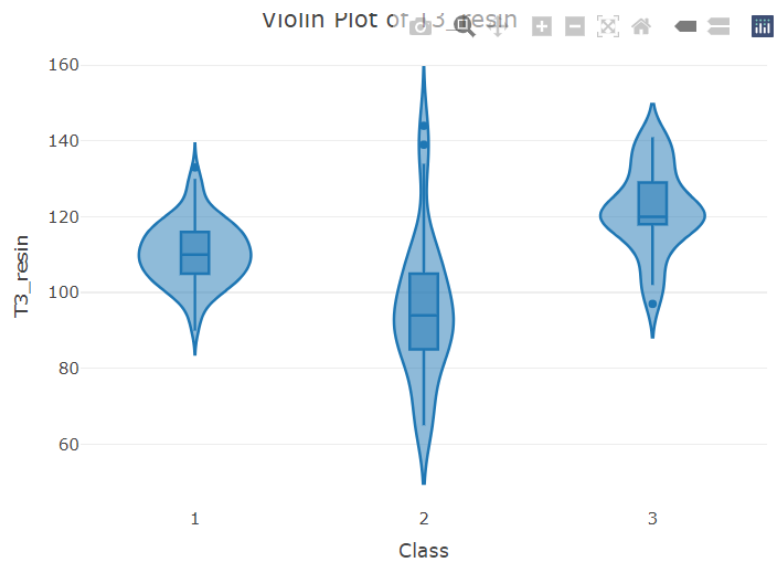
Select Feature:

T3_resin ▼

Plot Type:

☒ Violin

☐ Box



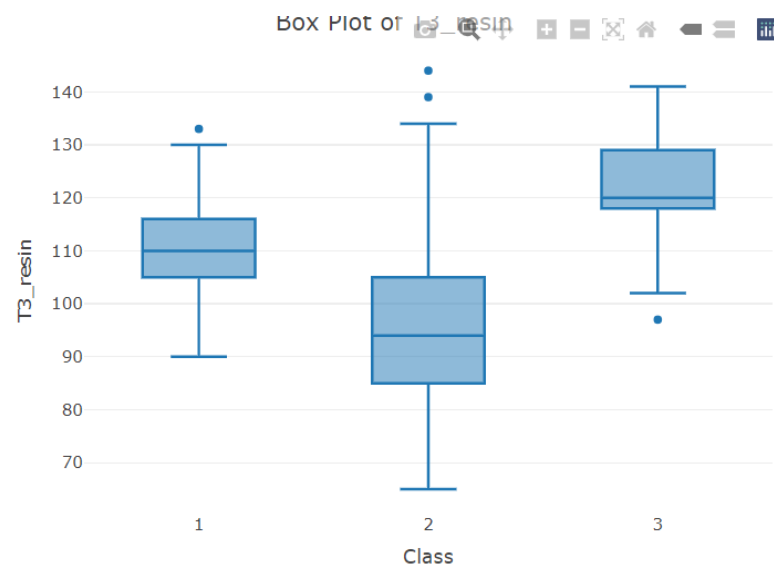
Select Feature:

T3_resin ▼

Plot Type:

☐ Violin

☒ Box



In the similar manner we can change the feature and plot 5 different plots

Select Feature:

T3_resin ▲

T3_resin

Serum_thyroxin

Serum_triiodothyronine

TSH

Max_diff_TSH

Also we can change box or violin plot accordingly

Plot Type:

☒ Violin

☐ Box
