1.

a)

Chart, scatter chart

Description automatically generated

Text

Description automatically generated

b)

Graphical user interface, text, application, email

Description automatically generated

c)Chart, scatter chart

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Y^ = 132 – 22.9x

d)

Text

Description automatically generated with low confidence

2.

a)

Pearsonian coefficient of Skewness = 0.05648716 > 0 => skewed slightly to the right (sk is close to 0)



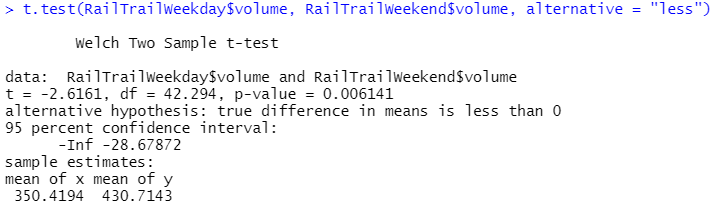
Text

Description automatically generated with low confidence

b)



c)



Alternative hypothesis is true means we have enough evidence, at significant level of 5%, that mean trail volume on weekdays is less than the mean trail use volume on weekends.

3.

a) 

b)

Graphical user interface, text, application

Description automatically generated

Graphical user interface

Description automatically generated with low confidence

51% of male crabs’ frontal lobe is larger than the median frontal lobe size

c)



Chart, box and whisker chart

Description automatically generated

4)

a)

Chart, bar chart, histogram

Description automatically generated

Text

Description automatically generated

A picture containing text

Description automatically generated

b)

Graphical user interface, text, application

Description automatically generated

Text, letter

Description automatically generated

5.

a)



Rexp(rate=1/50)

Beta = 50

Rate = 1/beta

b)

Graphical user interface, text, application

Description automatically generated

A picture containing text

Description automatically generated