REG no : 21MAI1003

LAB ASSIGNMENT 3

Dataset: Orange

1. find correlation between any two variables (using 3 different methods)

Method 1:

Graphical user interface, text, application

Description automatically generated

Method 2:

Graphical user interface, text, application, email

Description automatically generated

Method 3:

Text

Description automatically generated

Method 4:

Text

Description automatically generated

1. find regression equations and draw regression line

Chart, scatter chart

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated



3. partial correlation for any three variables in the data set

A screenshot of a computer

Description automatically generated with medium confidence

The estimate has the partial correlation value and the p value for the corresponding correlation is given there.

4. multiple correlation

Text

Description automatically generated

Correlation between values in table

Chart

Description automatically generated with medium confidence

5. multiple regression

Graphical user interface, text

Description automatically generated

Equation:

A screenshot of a computer

Description automatically generated with medium confidence

6. diagnostic measures

Plotted diagnostic measures for Age and Circumference of Orange dataset

Diagram, schematic

Description automatically generated