Regression Project Part 1: Data Collection

1. Did the student show the material learned in calculus can be useful in a topic that is relevant AND interesting to the individual student?
2. Is it cited if the source of the data is from the library or internet versus data that is collected in an experiment?
3. Did the student submit 9 data points Label the x and y variables. Give Nine Data points here.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| X: |  |  |  |  |  |  |  |  |  |
| Y: |  |  |  |  |  |  |  |  |  |

What do the x and y values mean. What are the units?

X:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Units:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Y:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Units:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Did the student perform ALL regressions.

LinReg: a=\_\_\_\_\_ b=\_\_\_\_\_\_ r2=\_\_\_\_\_\_\_

QuadReg: a=\_\_\_\_\_ b=\_\_\_\_\_\_ c=\_\_\_\_\_\_\_ r2=\_\_\_\_\_\_\_

CubicReg: a=\_\_\_\_\_ b=\_\_\_\_\_\_ c=\_\_\_\_\_ d=\_\_\_\_\_\_ r2=\_\_\_\_\_\_\_

QuartReg: a=\_\_\_\_\_ b=\_\_\_\_\_\_ c=\_\_\_\_\_ d=\_\_\_\_\_\_ e=\_\_\_\_\_ r2=\_\_\_\_\_\_\_

ExpReg: a=\_\_\_\_\_ b=\_\_\_\_\_\_ r2=\_\_\_\_\_\_\_

LnReg: a=\_\_\_\_\_ b=\_\_\_\_\_\_ r2=\_\_\_\_\_\_\_

SinReg\*: a=\_\_\_\_\_ b=\_\_\_\_\_\_ c=\_\_\_\_\_ d=\_\_\_\_\_\_\_

\*If you are having problems with SinReg, make sure you use SinReg 1,L1,L2,# where # is twice the distance from largest to smallesrt x value.