

Math 140 Regression Assignment

Student achievement checklist F16

Problem 1

1. Scatter Plot

- a) Picture shows all data points _____ (1 point)
- b) Horizontal axis shown _____ (1 point)
- c) Vertical axis shown _____ (1 point)
- d) Discernable tic marks shown _____ (1 point)
- e) Window coordinates and axis scales recorded _____ (1 point)

2. Choice of function type

_____ (1 point)

3. Regression equation

- Regression equation coefficients are correct to ten-thousandths place _____ (1 point)

4. Solution

- a) Answer follows from substituting correctly into the regression equation shown _____ (1 point)
- b) Answer is reported in a complete sentence describing the type of quantity the answer is _____ (1 point)
- c) Units are correct _____ (1 point)

Total

_____ (10 pts)

Math 140 Regression Assignment
Student achievement checklist F16

Problem 2

1. Scatter Plot

- a) Picture shows all data points _____ (1 point)
- b) Horizontal axis shown _____ (1 point)
- c) Vertical axis shown _____ (1 point)
- d) Discernable tic marks shown _____ (1 point)
- e) Window coordinates and axis scales recorded _____ (1 point)

2. Choice of function type

_____ (1 point)

3. Regression equation

- Regression equation coefficients are correct to ten-thousandths place _____ (1 point)

4. Solution

- a) Answer follows from substituting correctly into the regression equation shown above _____ (1 point)
- b) Answer is reported in a complete sentence describing the type of quantity the answer is _____ (1 point)
- c) Units are correct _____ (1 point)

Total

_____ **(10 pts)**