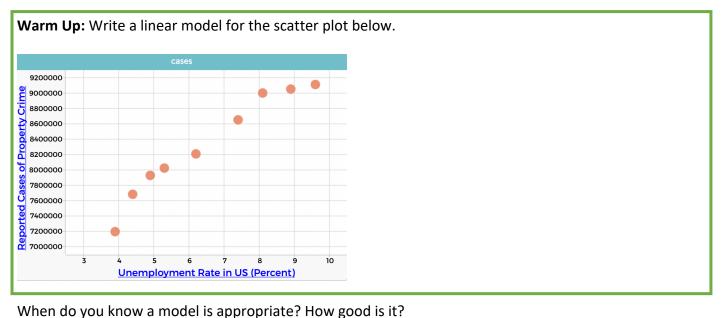
3.

Date:

Block:

Chapter 2.3: Analyzing Bivariate Data using Linear and Quadratic Models



1. 2.

Open up the CODAP file titled Unemployment and Crime. We are going to learn how to create a linear model in CODAP. Write the steps we use in the space below.

Linear Model using CODAP:

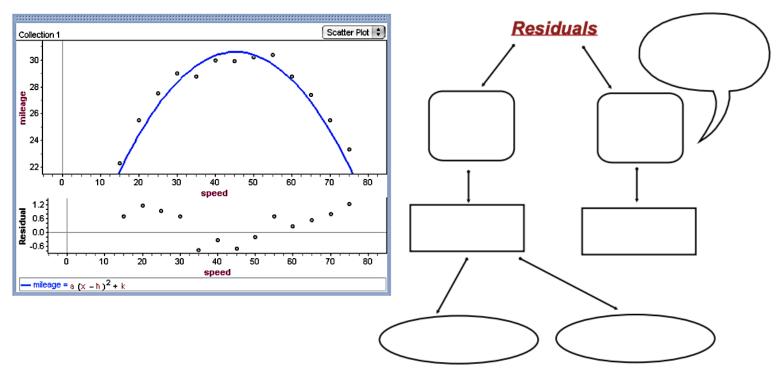
After you decide on what type of model to use and fit a curve to the data, you analyze the ______

Residual in statistics is the same as ______.

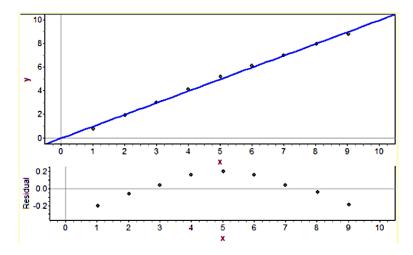
Residual = _____ – _____

Now we are going to make a residual plot in CODAP. Write the steps we use in the space below.

Residual plot for Gas Mileage Model



Example 1)

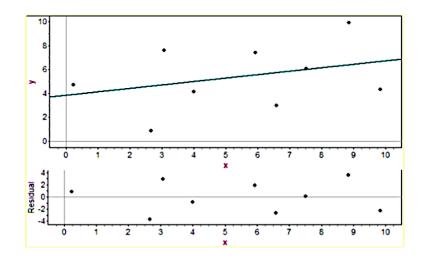


Pattern:

Magnitude:

Conclusion:

Example 2)

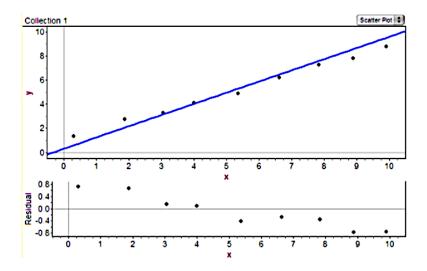


Pattern:

Magnitude:

Conclusion:

Example 3)

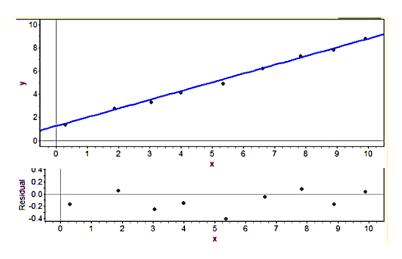


Pattern:

Magnitude:

Conclusion:

Example 4)

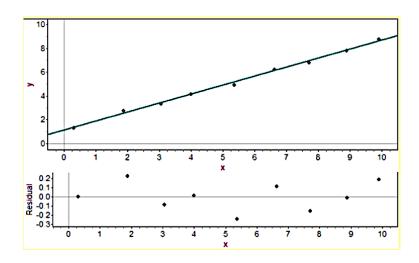


Pattern:

Magnitude:

Conclusion:

Example 5)



Pattern:

Magnitude:

Conclusion: