

Chapter 10 Lab

Wednesday, May 27, 2020 7:39 AM

Directions: Copy this page in your Lab folder. Answer each problem. This lab depends on the use of StatCrunch. Please indicate what you entered into StatCrunch or your graphing calculator.

1. Using the listed width/weight data, find the regression equation and the best predicted weight of a seal if the overhead width measured from a photograph is 2 cm. Round to one decimal place. Can the prediction be correct? If not, what is wrong?

Overhead Width (cm)	7.2	7.4	9.8	9.4	8.8	8.4
Weight (kg)	116	154	245	202	200	191

2. Listed below are the amounts of court income and salaries paid to the town justices. All of the amounts are in thousands of dollars, and all of the towns are in Dutchess County, NY. For the prediction interval, use 99% confidence level with a court income of \$800,000 (means that $x = 800$).

Court Income	65	404	1567	1131	272	252	111	154	32
Justice Salary	30	44	92	56	46	61	25	26	18