Statistics for laboratory scientists

Homework problems for lecture 15

1. Suppose I measure some treatment response on a set of 10 mice from strain A, and receive the following data:

   84 106 99 101 100

   99 127 105 101 108

   Note that n=**10**, the sample mean is **103** and the sample SD is **10.67**.

   Suppose I measure the same sort of treatment response on a set of 5 mice from strain B, and receive the following data:

   56 62 67 81 69

   Note that m=**5**, the sample mean is **67** and the sample SD is **9.30**.

   Calculate a 95% confidence interval for the difference in the average treatment responses of strains A and B.

[3rd term syllabus | 4rd term syllabus | R for Windows]

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