

Mathematical Skills for Data Scientists

Lab Exercises 8

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Exercise 1. Download the data2 file from the assignment portal. Assuming the data is normally generated, calculate a 95% confidence interval for the mean of the data. (Use Student's t-distribution.)

Exercise 2. Download the data3 file from the assignment portal. You are asked to test the hypothesis that the two columns of data have different means. However, you have no information about how the data were generated. Use a permutation test to calculate the p-value for the test.(2 marks)