

## Homework Problems!!

1) The scholastic aptitude test is given to both male and female freshmen. The test scores for the women are as follows:

154 109 137 115 152 140 154 178 101 103 126 126

Here are the scores for the men:

108 140 114 91 180 115 126 92 169 146 109 132

Perform a t-test to see if there is a significant difference between the men's and women's test scores.

2) What is an association plot? How is it acquired?

3) Is there a statistical difference between the measurements in feet and the measurements in meters between the two groups of Australian students? [Include assumptions made, why the test was chosen, and R-output.]

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