

1.5: ANOVA F Test

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Topic 1.5: ANOVA F Test

Read Sections 2.3.3 and 2.6 of your textbook. As you read, take notes on the following.

1. Consider the ANOVA F test in a simple linear regression setting.
 - In your own words, describe what the ANOVA F test is used for.
 - Write down the null and alternative hypotheses associated with an ANOVA F test.
 - How do we calculate the ANOVA F statistic? What distribution is the calculated F statistic compared to?
2. Write down the formula for the coefficient of determination, R^2 . What is R^2 measuring?

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