

# AUA CS108, Statistics, Fall 2020

## Lecture 42

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04 Dec 2020

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- ▶ Intro to Linear Regression

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- ▶ **F-Test of equality of variances:** Given 2 Samples  $x$ ,  $y$  from Normal Distributions, it tests if the variances are equal.  
usage: `var.test(x,y)`

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- ▶ **One Sample Proportions Test:** Given a Bernoulli Experiment, it tests if the probability of success is the given value

usage: `prop.test(no.of.successes, no.of.trials, p)`  
or `binom.test(no.of.successes, no.of.trials, p)`

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- ▶ **Location Tests:** See, for example, [Here](#)