**Summary of Hypothesis Tests**

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| **Test #** | **Hypothesis test** | **Models for test** | **Test dist’n** | **What kind of scenarios would call for this test?** | **R code for results** | **Ref (Lesson + slide #)** |
| 1  **General form** | Overall test (like test 3 and 4)  Single covariate test (like test 2)  Test for covariate subset (like test 5) | Ex: Subset is  H0:  H1: | F |  |  |  |
| 2 | H0:  H1: | H0:  H1: | F or T |  |  |  |
| 3 | H0: None of the covariates explain variation in Y  H1: At least one covariate explains variation in Y | H0:  H1: | F |  |  |  |
| 4  (Same as 3) | H0:  H1: At least one coefficient does not equal 0 | H0:  H1: | F |  |  |  |
| 5 | H0:  H1: and/or |  | F |  |  |  |