

Video 1: non-parametric testing the permutation test.

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1 introduction

- video link

1.1 hypothesis testing

- steps of hypothesis testing framework
 1. choose a conjecture ie alternative hypothesis H_1
 2. choose a null ie H_0
 3. choose a test stat (should be large if there is a lot of evidence against the null)
 4. decide on a significance level
 5. gather data and compute test stat
 6. compute the p value
 7. reject the null if p-value $\leq \alpha$
 - 8.