Location-Shift and Rejection Rates in Wilcoxon Rank Sum Test

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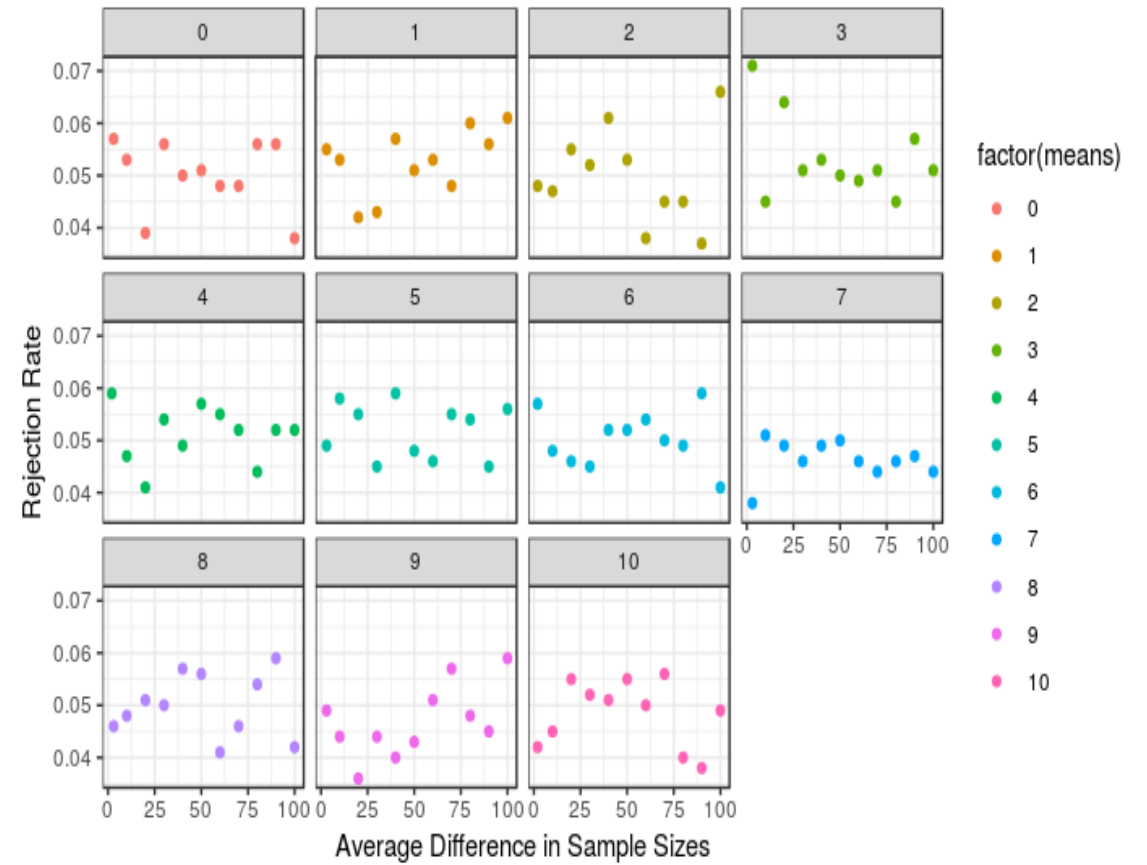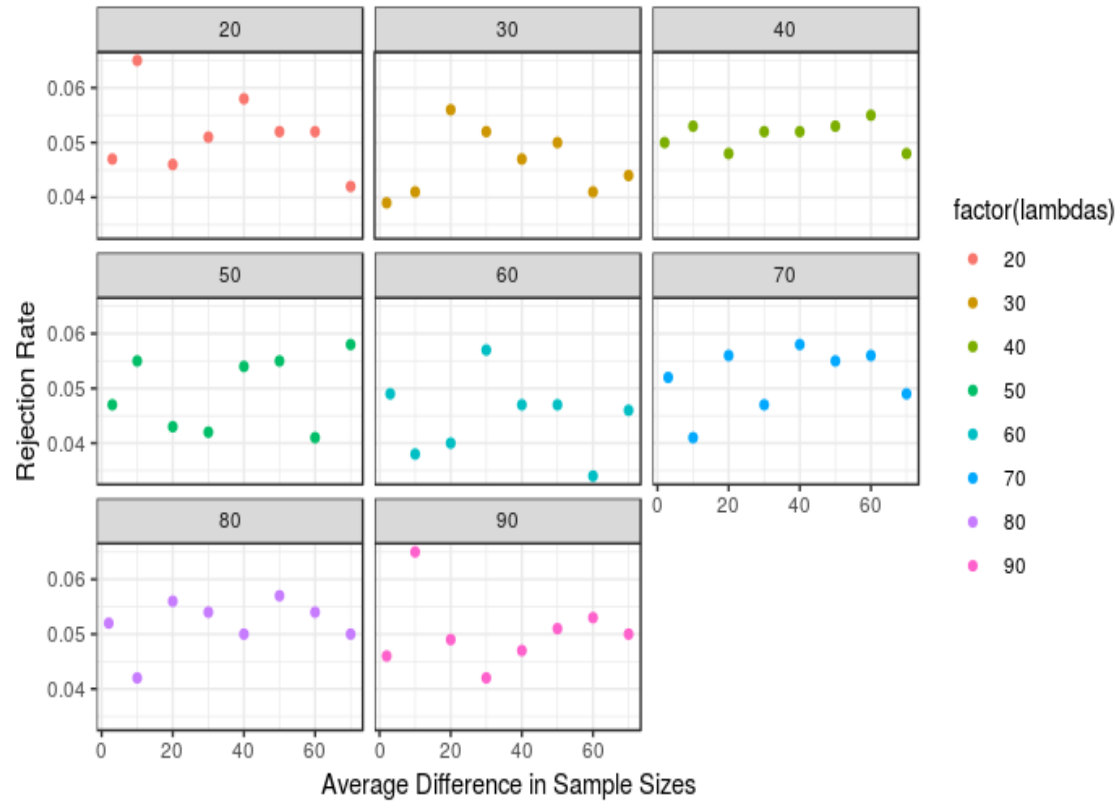
Assumptions

- Non-Parametric Test of independence of samples (two sample test)
- Location-Shift Assumption.

Motivation

- How does difference in sample size affect rejection rates?
- How does symmetry affect rejection rate?
- How does different location parameter values affect rejection rates?

Some Results and Output

Results

- The rejection rates seem constant about 0.050 for various combos.
- Sample size difference does not affect rejection rates for symmetric case.
- Non- symmetric case results in github repo.

Thank You

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https://github.com/ST541-Fall2018/AsanteEmmanuel-project-wilcoxon