

Readme file of R code and datasets for

“Robust Randomization Tests”

by Jason Wu and Peng Ding

Description

This folder contains contains several R code files for conducting the simulations and real data examples in the paper “Robust Randomization Tests” by Jason Wu and Peng Ding. To reproduce all the results in the paper, first run `studentsAnova.R`, `studentsCI.R`, and `studentsFact.R` (these will take a few hours). Then run `student-MakeFig.R`, which produces all the figures in the paper and conducts the data analysis on the real data. Note some relevant output is printed directly to the console.

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Files

<code>IncentiveExercise.csv</code>	Data from Charness and Gneezy (2009), see main paper for details
<code>raw.RData</code>	simulated potential outcomes used in the simulations
<code>star.csv</code>	Data from Angrist et al (2009), see main paper for details
<code>student-MakeFig.R</code>	Code to create all figures in the paper and to analyze the real data
<code>studentsAnova.R</code>	Code to perform an ANOVA simulation
<code>studentsCI.R</code>	Code to perform a confidence interval simulation
<code>studentsFact.R</code>	Code to perform a Factorial simulation