



## STAT 107 - Introduction to Statistics

Meets 10:00am to 11:15am Every Weekday  
Classroom: Watson Center A51  
Yale 2018 Summer Session B  
Monday, July 2nd through Friday, August 3rd

Instructor: Dr. Brinda  
william.brinda@yale.edu  
Office Hours: Thur 3:00 - 5:00pm  
location TBA

TA: Dylan O'Connell  
dylan.oconnell@yale.edu  
Office Hours: Wed 1:00 - 3:00pm  
in basement of Statistics House

TA: Parker Holzer  
parker.holzer@yale.edu  
Office Hours: Tues 2:00 - 4:00pm  
in basement of Statistics House

**Course Description:** An introduction to statistical reasoning. Topics include the R programming language, histograms, scatterplots, summary statistics, basics of probability and random variables, simulation, iid sampling, the Central Limit phenomenon, estimators, hypothesis testing, confidence intervals, linear modeling. Focus on understanding concepts rather than mathematical manipulation. No formal mathematical prerequisite.

**Text:** *Data Analysis with R: The Big Picture* by W. D. Brinda. (A digital copy will be provided.)

### Graded Items:

- **Homework:** This course is five weeks long. There will be five homework assignments, one due each Friday. Late homework will not be accepted. You may work together with classmates in small groups, but don't just copy answers.
- **Quizzes:** There will be four in-class quizzes, one on each of the first four Thursdays. The lowest quiz score will be dropped. There will be no make-up quizzes.
- **Final Exam:** The final exam will be held on the last Thursday of the semester (August 3rd). There will be no make-up exam.

**Academic Honesty Policy:** All work must be done in accordance with Yale University's academic honesty policy.