

# STA 371G Outline

## Fall 2018

**Instructor:** Mingyuan Zhou, Ph.D., Assistant Professor of Statistics

Office: CBA 6.458

Phone: 512-232-6763

Email: [mingyuan.zhou@mcombs.utexas.edu](mailto:mingyuan.zhou@mcombs.utexas.edu)

Website: <http://mingyuanzhou.github.io/>

Office Hours: Monday & Wednesday 5:00-6:00 PM. You are welcome to come by my office at other times.

**Wednesday, August 29**

**Topics:**

- Introduction
- Probability
- Random variables

**Reading Assignments:**

You are recommended to read:

Chapter 1 of OpenIntro Statistics, 3rd edition

**Wednesday, September 5**

**Topics:**

- Probability distributions
- Mean, variance and standard deviation of a random variable

**Reading Assignments:**

If you are not familiar with the topics discussed in class, you are recommended to read:

pp. 156-168, 189-195, of Data analysis and decision making, 4th edition

or

pp. 196-206, 225-231 of Data analysis and decision making, 3rd edition

You are also recommended to read:

pp. 1-14 of “1TopicSummary\_ProbabilityConceptsAndNormalDistributions.pdf” (available in Canvas/files)

To learn more about these topics, you may further read:

Chapters 2.1, 2.2, 2.4, and 2.5 of OpenIntro Statistics, 3rd edition