



Overview

Week 1

Week 2

Week 3

Week 4

Grades

Notes

Discussion Forums

Messages

Course Info

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Week 2

Statistical Inference

Week 2

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Week 2: Variability, Distribution, & Asymptotics



We're going to tackle variability, distributions, limits, and confidence intervals.

Module 5: Variability

Reading: Variability 10 min

Video: 05 01 Introduction to variability 4 min

Resume

Video: 05 02 Variance simulation examples 2 min

Video: 05 03 Standard error of the mean 7 min

Video: 05 04 Variance data example 3 min

Module 6: Distributions

Reading: Distributions 10 min

Video: 06 01 Binomial distrubtion 3 min

Video: 06 02 Normal distribution 15 min

Video: 06 03 Poisson 6 min

Module 7: Asymptotics

Reading: Asymptotics 10 min

Video: 07 01 Asymptotics and LLN 4 min

Video: 07 02 Asymptotics and the CLT 8 min

Video: 07 03 Asymptotics and confidence intervals 20 min

Practical R Exercises in swirl

Reading: Practical R Exercises in swirl Part 2 10 min

Practice Programming Assignment: swirl Lesson 1: Variance 3h

Practice Programming Assignment: swirl Lesson 2: CommonDistros 3h

Practice Programming Assignment: swirl Lesson 3: Asymptotics 3h

Week 2 Quiz

Quiz: Quiz 2 8 questions Due Sep 28, 1:59 AM CDT