Week 3

Statistical Inference

Week 3

Discuss and ask questions about Week 3.

560 threads · Last post 9 days ago

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Week: Intervals, Testing, & Pvalues

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We will be taking a look at intervals, testing, and pvalues in this lesson.

Module 8: Confidence intervals

▣ **Reading:** Confidence intervals 10 min

▶ **Video:** 08 01 T confidence intervals 9 min   [Resume]

▶ **Video:** 08 02 T confidence intervals example 4 min

▶ **Video:** 08 03 Independent group T intervals 14 min

▶ **Video:** 08 04 A note on unequal variance 3 min

Module 9: Hypothesis testing

▣ **Reading:** Hypothesis testing 10 min

▶ **Video:** 09 01 Hypothesis testing 4 min

▶ **Video:** 09 02 Example of choosing a rejection region 5 min

▶ **Video:** 09 03 T tests 7 min

▶ **Video:** 09 04 Two group testing 17 min

Module 10: P-values

▣ **Reading:** P-values 10 min

▶ **Video:** 10 01 Pvalues 7 min

▶ **Video:** 10 02 Pvalue further examples 5 min

Knitr

✅ **Reading:** Knitr 10 min

▶ **Video:** Just enough knitr to do the project 3 min

Practical R Exercises in swirl

▣ **Reading:** Practical R Exercises in swirl Part 3 10 min

⟨/⟩ **Practice Programming Assignment:** swirl Lesson 1: T Confidence Intervals 3h

⟨/⟩ **Practice Programming Assignment:** swirl Lesson 2: Hypothesis Testing 3h

⟨/⟩ **Practice Programming Assignment:** swirl Lesson 3: P Values 3h

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Week 3 Quiz

Quiz: Quiz 3 7 questions Due Oct 5, 1:59 AM CDT