

Week Thirteen

Last Week

- Multicategory Data
 - Multicategory Regression
 - Ordinal Regression

This Week: Introduction to Correlated Data

- Tuesday: Veteran's Day
- Thursday:
 - Class Recap
 - Lecture on Correlated Data

Next Week: Multicategory Regression

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- Models for Matched Pairs (Ch. 8)
 - Modeling Correlated, Clustered Responses (Ch. 9)
 - Random Effects: Generalized Linear Mixed Models (Ch. 10)

Class Recap

- Week 1. Course Overview
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- Week 2. Inference for Proportions
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- Week 3. Bayesian Inference for Proportions
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- Week 4 & 5. Contingency Tables
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- Week 6 & 7. GLM: Binary Regression
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- Week 8. Midterm Exam
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- Week 9 & 10. GLM: Count Regression

- Week 11 & 12. GLM: Multicategory Data

- Week 13 & 14. Models for Correlated Categorical Data
- Week 15. Fall Break
- Week 16. Machine Learning Tools for Classification
- Week 17. Final Exam

Correlated Data: Matched Pairs

Correlated Data: Rater Agreement

Modeling Correlated Data: Hypothetical Example

Modeling Correlated Data: Fixed and Random Effects