Tutorial 11: Simulations and autocorrelation across time and space

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November 6, 2015

Today's Agenda

- 1. Model simulations
- 2. Using model simulations to make predictions
- 3. Estimating interaction effects through simulations
- 4. Autocorrelation across time and space
- 5. The most important R packages for applied work

1. Model simulations

- 2. Using model simulations to make predictions
- 3. Estimating interaction effects through simulations
- 4. Autocorrelation across time and space
- 5. The most important R packages for applied work
 - 1. car associated with Fox & Weisberg's book "Companion to Applied Regression"
 - $2. \ \, arm -- associated \ with \ Gelman \ \& \ Hill's \ book \ on \ ``Regression \ and \ Multilevel/Hierarchical \ Models"$
 - 3. Zelig by political science professor Gary King
 - 4. ggplot2 introduced extensively in Chang's "R Graphics Cookbook"
 - 5. stargazer