

Quantitative Methods Across the Social Sciences
Communication Studies 840-002
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Fall, 2015 DRAFT (New articles not yet added)
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Course Meetings:
W – 4:00-7:00 PM
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What's the question?

Methodological innovation has become perhaps the fastest growing area in contemporary social science. Across all of the social sciences, new techniques are being developed that allow researchers to more effectively and efficiently answer their questions. But the expanding scope of methodological techniques has also posed distinct challenges. Researchers across different disciplines are increasingly unfamiliar with the strategies used in neighboring fields. Similarly, the plethora of novel statistical approaches has made it increasingly difficult to determine which approach is ideal for a particular question. And the diversity of methodological choices has made it increasingly difficult to evaluate research and to discriminate findings that represent methodological confounds from those providing ironclad evidence.

To the extent that researchers wish to understand, use, and communicate results from various techniques, the ever-changing methodological scope has presented a conundrum: The methodological toolbox of the social sciences has become far too large for common mastery. This course attempts to circumvent the problem. Instead of trying to train researchers to be proficient at each of dozens of

THE METHODOLOGY SECTION TRANSLATOR

What it says:

"All procedures were approved by the Internal Ethics Review Board"

"Samples were treated with 0.03% sodium citrate buffer for 60.3 min. at 37.4 deg with 20.5 mg/kg poly(I:C) dissolved in 0.97% sterile PBS volume of 8.2 ml/kg"

"The solution was isolated using catalyst CH₂Cl₂/Et₂O 4:1 in 71% yield as a mixture of 1 H NMR (CDCl₃) δ 7.90 (ddd, J = 3.2, 5.2, 20.4 Hz, 1H), 7.30 (dd, J = 0.8, 2.0 Hz, 1H)"

"Measurements were performed with -1.74 < η < 1.74 around a field of 1.16T with σ(pT) / pT ≈ 0.5% pT / GeV + 1.5%"

"Experimental kits from a commercial vendor were used and applied according to the manufacturer's instructions."

"Filter and gain settings varied with experimental conditions and objectives."

"Simulation parameters were chosen based on empirically realistic values."

"The treated preparation was incubated overnight."

"Analysis was performed using a commercially available software package."

"Statistical significance was assessed using the Student's T Test."

What it really means:

"Please don't come protest outside our lab."

"If you deviate from this by one number, it's not my fault when you can't replicate my results."

"My advisor has no idea what this means."

"I don't know why this works but this is how the previous grad student taught me to do it."

"We wasted a lot of time trying to do it ourselves, but it turned out you can just buy it."

"We twiddled the knobs until it worked."

"We made stuff up."

"I went to have a few beers with my friends."

"I put the numbers into this magic box and out came my thesis!"

"Yes, all that just to verify it with something they teach in High School now."

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methodological approaches, the goal is to develop a generalized roadmap. In a whirlwind tour of a number of methodologies, we attempt to demarcate the generalized approaches, assumptions, and presentational conventions underlying the statistical techniques examined.

Researchers should emerge from this class with a better sense of what a variety of quantitative methods actually do, how they are used in practice, the assumptions that are

being made, and what kinds of questions they can answer.

Course Content

Weekly classes will each focus on a general area of statistical methodology that is being widely used in the social sciences. The course will begin with the assumption that students have been exposed to statistical and methodological courses that have explained the principals behind basic probability and ordinary least squares regression.

Course Requirements

A number of academic articles are listed for each week's reading. Every week, each student will be responsible for closely reading and



CARLA VENTRESCA AND HENRY BECKETT

presenting one article from the week's reading list. These articles will be chosen during the previous week. In addition to being prepared to present the methods from his or her article, each student will need to turn in a one page write-up outlining (1) the types of data that are being used, (2) how the method is applied, (3) the conclusions that are being drawn from the method, (4) how the method and results are presented, and (5) any assumptions that are being made about the nature of the method or the data to which it is applied.

In addition to this closely read piece, students will also need to read 1-3 required articles (* and **bolded**), that outline the use of the week's method. These articles will give a general foundation for the week's topic as well as an overview of some of the important considerations when using each methodology.

As a final project for the class, students will be expected to use any one of the methods discussed in class to analyze data from their own research. These final projects will be graded on how well they apply the method as well as their description of the benefits and limitations of the method for use with their data. These projects should take the form of the methods section from a typical research article.

Examples for all methods in the class will be provided using R.

Grading

Class Participation / Presentations	40%
One-page write-ups	30%
Final Project	30%

Course Schedule:

Sept 7 – Week 1 – Introduction

Today we will discuss the organization of the class, requirements for the class, and will outline the semester. We will also go over strategies for quickly and effectively reading empirical research articles. This class will also include a brief introduction to the statistical software package R.

Muenchen, R. A. (2007). R for SAS and SPSS Users. Springer: New York.
Available from:

<http://www.et.bs.edu/~etptupaf/pub/R/RforSAS&SPSSusers.pdf>

R-Core (2012). The R Project for Statistical Computing. www.rproject.org

Sept 14 – Week 2 – Binomial, Ordinal, and Multinomial Regressions

***Alvarez, R. M. & Nagler, J. (1998). When Politics and Models Collide: Estimating Models of Multiparty Elections. *American Journal of Political Science* 42: 55-96.**

***Bender, R. & Grouven, U. (1997). Ordinal Logistic Regression in Medical Research. *Journal of the Royal College of Physicians of London*, 31(5), 546-551.**

***Peng, C.-Y. J., Lee, K. L., & Ingersoll, G. M. (2002). An Introduction to Logistic Regression Analysis and Reporting. *Journal of Educational Research*, 96(1), 3-14.**

Alvarez, R. M., & Nagler, J. (1995). Economics, Issues and the Perot Candidacy: Voter Choice in the 1992 Presidential Election. *American Journal of Political Science*, 39(3), 714–744.

Arceneaux, K., & Kolodny, R. (2009). Educating the Least Informed: Group Endorsements in a Grassroots Campaign. *American Journal of Political Science*, 53(4), 755–770.

Balcetis, E., & Dunning, D. (2006). See what you want to see: Motivational influences on visual perception. *Journal of Personality and Social Psychology*, 91(4), 612-625.

Bazarova, N. N., & Hancock, J. T. (2012). Attributions After a Group Failure. *Communication Research*, 39(4), 499 -522.

- Brooks, C. (2000). Civil Rights Liberalism and the Suppression of a Republican Political Realignment in the United States, 1972 to 1996. *American Sociological Review* 65 (4), 483–505.
- Entwisle, B., Henderson, G. E., Short, S. E., Bouma, J., & Fengying, Z. (1995). Gender and Family Businesses in Rural China. *American Sociological Review*, 60(1), 36–57.
- Fiss, P.C., & Hirsch, P. M. (2005). The discourse of globalization: Framing and sensemaking of an emerging concept. *American Sociological Review* 70: 29-52. (multinomial logistic and negative binomial both used)
- Greeley, A. M., & Hout, M. (1999). Americans' Increasing Belief in Life After Death: Religious Competition and Acculturation. *American Sociological Review* 64 (6): 813–835.
- Loeb, S., Fuller, B., Kagan, S. L., & Carrol, B. (2004). Child Care in Poor Communities: Early Learning Effects of Type, Quality, and Stability. *Child Development*, 75(1), 47-65.
- Lundquist, J. H. (2008). Ethnic and Gender Satisfaction in the Military: The Effect of a Meritocratic Institution. *American Sociological Review*, 73(3), 477–496.
- Mare, R. D., & Maralani, V. (2006). The Intergenerational Effects of Changes in Women's Educational Attainments. *American Sociological Review*, 71(4), 542-564.
- Parkes, A., Kearns, A., & Atkinson, R. (2002) What Makes People Dissatisfied with their Neighbourhoods? *Urban Studies*, 39(13), 2413-2438.
- Roderick, M., & Camburn, E. (1999). Risk and Recovery from Course Failure in the Early Years of High School. *American Educational Research Journal*, 36(2), 303 -343.
- Rudolph, T. J. (2003). Who's Responsible for the Economy? The Formation and Consequences of Responsibility Attributions. *American Journal of Political Science*, 47(4), 698–713.
- Smith, T. M., & Ingersoll, R. M. (2004). What Are the Effects of Induction and Mentoring on Beginning Teacher Turnover? *American Educational Research Journal*, 41(3), 681-714.

Sept 21 – Week 3 – Factor Analysis and Principal Components

* DeCoster, J. (1998). Overview of Factor Analysis. [Retrieved 8/27/12]. Available from <http://www.stat-help.com/notes.html>

* Fabrigar, J. R., Wegener, D. T., MacCallum, R. C., & Strahan, E. J. (1999). Evaluating the Use of Exploratory Factor Analysis in Psychological Research. *Psychological Methods*, 4(3), 272-299.

* Park, H. S., Dailey, R., & Lemus, D. (2002). The Use of Exploratory Factor Analysis and Principal Components Analysis in Communication Research. *Human Communication Research*, 28(4), 562-577.

Artz, R. D., Fairbank, D. T., Curtis, R. F., & Elton F. Jackson. (1971). Community Rank Stratification: A Factor Analysis. *American Sociological Review*, 36(6), 985-1002.

Campbell, D. E. (2009). Civic Engagement and Education: An Empirical Test of the Sorting Model. *American Journal of Political Science*, 53(4), 771-786.

Coppedge, M., Alvarez, A., & Maldonado, C. (2008). Two Persistent Dimensions of Democracy: Contestation and Inclusiveness. *Journal Of Politics*, 70(3), 632-647.

Dixon, J., & Lizotte, A. J. (1987). Gun Ownership and the "Southern Subculture of Violence." *American Journal of Sociology*, 93(2), 383-405.

Goldberg, L. R. (1990). An alternative 'description of personality': The Big-Five factor structure. *Journal Of Personality And Social Psychology*, 59(6), 1216-1229.

Good, C., Rattan, A., & Dweck, C. S. (2012). Why do women opt out? Sense of belonging and women's representation in mathematics. *Journal Of Personality And Social Psychology*, 102(4), 700-717.

Gurtman, M. B. (1992). Trust, Distrust, and Interpersonal Problems: A Circumplex Analysis. *Journal of Personality and Social Psychology*, 62(6) 989-1002.

Hayduk, L. A., Ratner, P. A., Johnson, J. L., & Bottorff, J. L. (1995). Attitudes, Ideology, and the Factor Model. *Political Psychology*, 16(3), 479-507.

Nichols, R. C. (1962). A Factor Analysis of Parental Attitudes of Fathers. *Child Development*, 33(4), 791-802.

Onwuegbuzie, A. J., Witcher, A. E., Collins, K. M. T., Filer, J. D., Wiedmaier, C. D., & Moore, C. W. (2007). Students' Perceptions of Characteristics of Effective College Teachers: A Validity Study of a Teaching Evaluation Form Using a

Mixed-Methods Analysis. *American Educational Research Journal*, 44(1), 113–160.

Parrott, R., Silk, K., Weiner, J., Condit, C., Harris, T., & Bernhardt, J. (2004). Deriving Lay Models of Uncertainty About Genes' Role in Illness Causation to Guide Communication About Human Genetics. *Journal of Communication*, 54(1), 105–122.

Raskin, R., & Terry, H. (1988). A Principal-Components Analysis of the Narcissistic Personality Inventory and Further Evidence of Its Construct Validity. *Journal of Personality and Social Psychology*, 54(5), 890–902.

Rentfrow, P. J., Goldberg, L. R., & Levitin, D. J. (2011). The structure of musical preferences: A five-factor model. *Journal of Personality and Social Psychology*, 100(6), 1139–1157.

Rubin, R. B., Perse, E. M. and Barbato, C. A. (1988), Conceptualization and Measurement of Interpersonal Communication Motives. *Human Communication Research*, 14: 602--628.

White, K. J. (1977). Television Market Shares, Station Characteristics, and Viewer Choice. *Communication Research*, 4(4), 415–434.

Sept 28 – Week 4 – Structural Equation Modeling and Instrumental Variables

*** Bound, J., Jaeger, D. A., & Baker, R. M. (1995). Problems with Instrumental Variables Estimation When the Correlation Between the Instruments and the Endogeneous Explanatory Variable is Weak. *Journal of the American Statistical Association*, 90(430), 443-450.**

*** Hox, J. J., Bechger, T. M. (1998). An Introduction to Structural Equation Modeling. *Family Science Review*, 11, 354-373.**

*** MacCallum, R. C., & Austin, J. T. (2000). Applications of Structural Equation Modeling in Psychological Research. *Annual Review of Psychology*, 51(1), 201-226.**

Aarts, K., & Semetko, H. A. (2003). The Divided Electorate: Media Use and Political Involvement. *Journal of Politics*, 65(3), 759-784.

Bao, Y., Duan, N., & Fox, S. A. (2006) Is Some Provider Advice on Smoking Cessation Better Than No Advice? An Instrumental Variable Analysis of the 2001 National Health Interview Survey. *HSA: Health Services Research*, 41(6), 2114-2135.

Bizer, G. Y., & Krosnick, J. A. (2001). Exploring the structure of strength-related attitude features: The relation between attitude importance and attitude accessibility. *Journal of Personality and Social Psychology, 81*(4), 566-586.

Businelle, M. S., Kendzor, D. E., Reitzel, L. R., Costello, T. J., Cofta-Woerpel, L., Li, Y., et al. (2010). Mechanisms linking socioeconomic status to smoking cessation: A structural equation modeling approach. *Health Psychology, 29*(3), 262-273.

Cho, J., & Choy, S. P. (2011). From Podium to Living Room. *Communication Research, 38*(6), 778 -804.

De Figueiredo, R. J. P., Jr. & Elkins, Z. (2003) Are Patriots Bigots? An Inquiry into the Vices of In-Group Pride. *American Journal of Political Science, 47*(1), 171-188.

Gastil, J. & Xenos, M. (2010). Of Attitudes and Engagement: Clarifying the Reciprocal Relationship Between Civic Attitudes and Political Participation. *Journal of Communication, 60*(2), 318-343.

Goren, P. (2005). Party Identification and Core Political Values. *American Journal of Political Science, 49*(4), 881-896.

Hatemi, P. K., Hibbing, J. R., Medland, S. E., Keller, M. C., Alford, J. R., Smith, K. B., et al. (2010). Not by Twins Alone: Using the Extended Family Design to Investigate Genetic Influence on Political Beliefs. *American Journal Of Political Science, 54*(3), 798-814.

Highton, B., & Kam, C. D. (2011). The Long-Term Dynamics of Partisanship and Issue Orientations. *Journal of Politics, 73*(1), 202-215.

Hodson, G., Rush, J., & MacInnis, C. C. (2010). A joke is just a joke (except when it isn't): Cavalier humor beliefs facilitate the expression of group dominance motives. *Journal of Personality and Social Psychology, 99*(4), 660-682.

Huddy, L., & Khatib, N. (2007). American Patriotism, National Identity, and Political Involvement. *American Journal of Political Science, 51*(1), 63-77.

Kirk, D. S. (2009). A Natural Experiment on Residential Change and Recidivism: Lessons from Hurricane Katrina. *American Sociological Review, 74*(3), 484-505.

Ledbetter, A. M. (2009). Family Communication Patterns and Relational Maintenance Behavior: Direct and Mediated Associations with Friendship Closeness. *Human Communication Research, 35*: 130–147.

Martino, S. C., Collins, R. L., Kanouse, D. E., Elliott, M., & Berry, S. H. (2005). Social cognitive processes mediating the relationship between exposure to television's sexual content and adolescents' sexual behavior. *Journal of Personality and Social Psychology, 89*(6), 914–924.

Pond, R. S. Jr., DeWall, C. N., Lambert, N. M., Deckman, T., Bonser, I. M., & Fincham, F. D. (2012). Repulsed by violence: Disgust sensitivity buffers trait, behavioral, and daily aggression. *Journal of Personality and Social Psychology, 102*(1), 175-188.

Rabinowitz, J. L., Sears, D. O., Sidanius, J., & Krosnick, J. A. (2009). Why Do White Americans Oppose Race-Targeted Policies? Clarifying the Impact of Symbolic Racism. *Political Psychology, 30*(5), 805-828.

Weber, C., & Federico, C. M. (2007). Interpersonal Attachment and Patterns of Ideological Belief. *Political Psychology, 28*(4), 389–416.

Oct 5 – Week 5 – Permutation Tests and Bootstrapping

*** Henderson, A. R. (2005). The bootstrap: A technique for data-driven statistics. Using computer-intensive analyses to explore experimental data. *Clinica Chimica Acta, 359*(1), 1-26.**

Cacioppo, J. T., Fowler, J. H., & Christakis, N. A. (2009). Alone in the crowd: The structure and spread of loneliness in a large social network. *Journal of Personality and Social Psychology, 97*(6), 977-991.

de Bruin, M., Sheeran, P., Kok, G., Hiemstra, A., Prins, J. M., Hospers, H. J., & van Breukelen, G. J. P. (2012, March 5). Self-Regulatory Processes Mediate the Intention-Behavior Relation for Adherence and Exercise Behaviors. *Health Psychology*. Advance online publication. doi: 10.1037/a0027425

Desposato, S. W. (2003). Comparing Group and Subgroup Cohesion Scores: A Nonparametric Method with an Application to Brazil. *Political Analysis, 11*(3), 275-288.

Dietz, T., Frey, R. S., & Kalof, L. (1987). Estimation with Cross-National Data: Robust and Nonparametric Methods. *American Sociological Review, 52*(3), 380–390.

- Goldstein, J. R., & Kenney, C. T. (2001). Marriage Delayed or Marriage Forgone? New Cohort Forecasts of First Marriage for U.S. Women. *American Sociological Review*, 66(4), 506–519.
- Gordon, S. B. (2001). All Votes Are Not Created Equal: Campaign Contributions and Critical Votes. *Journal of Politics*, 63(1), 249-269.
- Ho, D. E., & Imai, K. (2006). Randomization Inference With Natural Experiments. *Journal of the American Statistical Association*, 101(475), 888-900.
- Lax, J. R., & Rader, K. T. (2010). Legal Constraints on Supreme Court Decision Making: Do Jurisprudential Regimes Exist? *Journal of Politics*, 72(2), 273-284.
- Niederdeppe, J. (2008). Beyond Knowledge Gaps: Examining Socioeconomic Differences in Response to Cancer News. *Human Communication Research*, 34(3), 423–447.
- Niederdeppe, J., Farrelly, M. C., Thomas, K. Y., Wenter, D., & Weitzenkamp, D. (2007). Newspaper Coverage as Indirect Effects of a Health Communication Intervention. *Communication Research*, 34(4), 382–406.
- Peter, J. & Valkenburg, P. M. (2009). Adolescents' Exposure to Sexually Explicit Internet Material and Notions of Women as Sex Objects: Assessing Causality and Underlying Processes. *Journal of Communication*, 59(3), 407-433.
- Schuck, A. R. T., & de Vreese, C. H. (2012). When Good News Is Bad News: Explicating the Moderated Mediation Dynamic Behind the Reversed Mobilization Effect. *Journal of Communication*, 62(1), 57–77.
- Sturgis, P., Roberts, C., & Allum, N. (2005). A Different Take on the Deliberative Poll Information, Deliberation, and Attitude Constraint. *Public Opinion Quarterly*, 69(1), 30–65.
- Wilkinson, L. C., & Spinelli, F. (1983). Using Requests Effectively in Peer-directed Instructional Groups. *American Educational Research Journal*, 20(4), 479–501.
- Zentner, M., & Renaud, O. (2007). Origins of adolescents' ideal self: An intergenerational perspective. *Journal of Personality and Social Psychology*, 92(3), 557-574.

Oct 12 – Week 6 – Fixed and Random Effects [CLASS WILL BE RESCHEDULED DUE TO YOM KIPPUR]

*** Agresti, A., Booth, J. G., Hobert, J. P., & Caffo, B. (2008). Random-Effects Modeling of Categorical Response Data. *Sociological Methodology*, 30(1), 27-80.**

Besley, T. & Reynal-Querol, M. (2011). Do Democracies Select More Educated Leaders? *American Political Science Review*, 105(3), 552-566.

England, P., Farkas, G., Kilbourne, B. S., & Dou, T. (1988). Explaining Occupational Sex Segregation and Wages: Findings from a Model with Fixed Effects. *American Sociological Review*, 53(4), 544–558.

Gartner, S. (2004). Making the International Local: The Terrorist Attack on the USS Cole, Local Casualties, and Media Coverage. *Political Communication*, 21(2), 139-159.

Gerber, A. S., Huber, G. A., Doherty, D., & Dowling, C. M. (2011). Citizens' Policy Confidence and Electoral Punishment: A Neglected Dimension of Electoral Accountability. *The Journal of Politics*, 73(04), 1206–1224.

Gordon, R. A., Chase-Lansdale, P. L., & Brooks-Gunn, J. (2004). Extended Households and the Life Course of Young Mothers: Understanding the Associations Using a Sample of Mothers with Premature, Low Birth Weight Babies. *Child Development*, 75(4), 1013–1038.

Haber, S., & Menaldo, V. (2011). Do Natural Resources Fuel Authoritarianism? A Reappraisal of the Resource Curse. *American Political Science Review*, 105(1), 1-26.

Judd, C. M., Westfall, J., & Kenny, D. A. (2012). Treating stimuli as a random factor in social psychology: A new and comprehensive solution to a pervasive but largely ignored problem. *Journal of Personality and Social Psychology*, 103(1), 54–69.

Kalev, A. (2009). Cracking the Glass Cages? Restructuring and Ascriptive Inequality at Work. *American Journal of Sociology* 114 (6), 1591-1643.

Kaplan, N., Park, D. K., & Ridout, T. N. (2006). Dialogue in American Political Campaigns? An Examination of Issue Convergence in Candidate Television Advertising. *American Journal of Political Science*, 50(3), 724-736.

Kollmeyer, C. (2009). Explaining Deindustrialization: How Affluence, Productivity Growth, and Globalization Diminish Manufacturing Employment. *American Journal of Sociology*, 114(6), 1644–1674.

Lee, F., Peterson, C., & Tiedens, L. Z. (2004). Mea Culpa: Predicting Stock Prices From Organizational Attributions. *Personality and Social Psychology Bulletin*, 30(12), 1636–1649.

McVeigh, R., & Diaz, M. E. D., (2009). Voting to Ban Same-Sex Marriage: Interests, Values, and Communities. *American Sociological Review* 74: 891-915.

Papay, J. P. (2011). Different Tests, Different Answers The Stability of Teacher Value-Added Estimates Across Outcome Measures. *American Educational Research Journal*, 48(1), 163–193.

See, K. E. (2009). Reactions to decisions with uncertain consequences: Reliance on perceived fairness versus predicted outcomes depends on knowledge. *Journal of Personality and Social Psychology*, 96(1), 104–118.

Slater, M. D., Goodall, C. E., & Hayes, A. F. (2009). Self-Reported News Attention Does Assess Differential Processing of Media Content: An Experiment on Risk Perceptions Utilizing a Random Sample of U.S. Local Crime and Accident News. *Journal of Communication*, 59(1), 117-134.

Tomaskovic-Devey, D., Thomas, M., & Johnson, K. (2005). Race and the Accumulation of Human Capital across the Career: A Theoretical Model and Fixed-Effects Application. *American Journal of Sociology*, 111(1), 58-89.

Western, B., & Beckett, K. (1999). How Unregulated Is the U.S. Labor Market? The Penal System as a Labor Market Institution. *American Journal of Sociology*, 104(4), 1030–60.

Oct 19 – Week 7 – Dealing With Missing Data

*** Baraldi, A. N., & Enders, Craig, K. (2010). An introduction to modern missing data analyses. *Journal of School Psychology*, 48(1), 5-37.**

*** King, G., Honaker, J., Joseph, A., & Scheve, K. (2001). Analyzing Incomplete Political Science Data: An Alternative Algorithm for Multiple Imputation. *American Political Science Review*, 95(1), 49-69.**

Alexander, K. L., Entwisle, D. R., & Olson, L. S. (2007). Lasting Consequences of the Summer Learning Gap. *American Sociological Review*, 72(2), 167 -180.

Cho, J. (2011). The Geography of Political Communication: Effects of Regional Variations in Campaign Advertising on Citizen Communication. *Human Communication Research*, 37(3), 434-462.

Downey, D. B., Paul T. von Hippel, & Hughes, M. (2008). Are “Failing” Schools Really Failing? Using Seasonal Comparison to Evaluate School Effectiveness. *Sociology of Education*, 81(3), 242–270.

Gay, C. (2002). Spirals of Trust? The Effect of Descriptive Representation on the Relationship between Citizens and Their Government. *American Journal of Political Science*, 46(4), 717–732.

Hayes, A. F., Matthes, J., & Eveland, W. P. (2011). Stimulating the Quasi-statistical Organ: Fear of Social Isolation Motivates the Quest for Knowledge of the Opinion Climate. *Communication Research*.

Herring, M., Jankowski, T. B., & Brown, R. E. (1999). Pro-Black Doesn’t Mean Anti-White: The Structure of African-American Group Identity. *The Journal of Politics*, 61(2), 363–386.

Li, L. (2011). Distrust in Government Leaders, Demand for Leadership Change, and Preference for Popular Elections in Rural China. *Political Behavior*, 33(2), 291–311.

Martin, M. A. (2008). The Intergenerational Correlation in Weight: How Genetic Resemblance Reveals the Social Role of Families. *American Journal of Sociology* 114:s1, S67-S105

Myers, T. A. (2011). Goodbye, Listwise Deletion: Presenting Hot Deck Imputation as an Easy and Effective Tool for Handling Missing Data. *Communication Methods and Measures*, 5(4), 297-310.

Pasek, J., Tahk, A., Lelkes, Y., Krosnick, J. A., Payne, B. K., Akhtar, O., & Tompson, T. (2009). Determinants of Turnout and Candidate Choice in the 2008 U.S. Presidential Election Illuminating the Impact of Racial Prejudice and Other Considerations. *Public Opinion Quarterly*, 73(5), 943–994.

Peytchev, A. (2012) Multiple Imputation for Unit Nonresponse and Measurement Error. *Public Opinion Quarterly*, 76(2), 214-237.

Ross, M. (2006). Is Democracy Good for the Poor? *American Journal of Political Science*, 50(4), 860–874.

Simonton, D. K. (2006). Presidential IQ, Openness, Intellectual Brilliance, and Leadership: Estimates and Correlations for 42 U.S. Chief Executives. *Political Psychology*, 27(4), 511–526.

Winglee, M., Kalton, G., Rust, K., & Kasprzyk, D. (2001). Handling Item Nonresponse in the U.S. Component of the IEA Reading Literacy Study. *Journal of Educational and Behavioral Statistics*, 26(3), 343–359.

Denny, K., & Doyle, O. (2009). Does Voting History Matter? Analysing Persistence in Turnout. *American Journal of Political Science*, 53(1), 17–35.

Oct 26 – Week 8 – Hierarchical and Multilevel Models

*** Bryk, A. S., & Raudenbush, S. W. (1988). Toward a More Appropriate Conceptualization of Research on School Effects: A Three-Level Hierarchical Linear Model. *American Journal of Education*, 97(1), 65-108.**

*** Hofman, D. A. (1997). An Overview of the Logic and Rationale of Hierarchical Linear Models. *Journal of Management*, 23(6), 723-744.**

Almeida, D. M., & Kessler, R. C. (1998). Everyday stressors and gender differences in daily distress. *Journal of Personality and Social Psychology*, 75(3), 670–680.

Andersen, R., & Fetner, T. (2008). Economic Inequality and Intolerance: Attitudes toward Homosexuality in 35 Democracies. *American Journal of Political Science*, 52(4), 942–958.

Beaumont, E. (2011). Promoting Political Agency, Addressing Political Inequality: A Multilevel Model of Internal Political Efficacy. *The Journal of Politics*, 73(01), 216–231.

Bowler, S., Donovan, T., & Hanneman, R. (2003). Art for Democracy's Sake? Group Membership and Political Engagement in Europe. *The Journal of Politics*, 65(4), 1111–1129.

Cho, J. (2008). Political Ads and Citizen Communication. *Communication Research*, 35(4), 423–451.

Coley, R. L., Votruba-Drzal, E., & Schindler, H. S. (2009). Fathers' and Mothers' Parenting Predicting and Responding to Adolescent Sexual Risk Behaviors. *Child Development*, 80(3), 808–827.

(also, imputation and MCAR test, briefly)

Goldschmidt, P., & Wang, J. (1999). When Can Schools Affect Dropout Behavior? A Longitudinal Multilevel Analysis. *American Educational Research Journal*, 36(4), 715–738.

Hipp, J. R. (2007). Block, Tract, and Levels of Aggregation: Neighborhood Structure and Crime and Disorder as a Case in Point. *American Sociological Review*, 72(5), 659–680.

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Nov 23 – Week 12 – NO CLASS – Thanksgiving

Nov 30 – Week 13 – Survey Weighting and Matching Techniques

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Dec 7 – Week 14 – Count, Event Frequency, Hazard, and Survival Models

*** Singer, J. D., & Willett, J. B. (1991). Modeling the Days of Our Lives: Using Survival Analysis When Designing and Analyzing Longitudinal Studies of Duration and the Timing of Events. *Psychological Bulletin*, 110(2), 268-290.**

*** Box-Steffensmeier, J. M., & Jones, B. S. (1997). Time is of the Essence: Event History Models in Political Science. *American Journal of Political Science*, 41(4), 1414–1461.**

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Dec 14 – Week 15 – Presentations on Applications

Bonus Week on Time Series Data, Regression Discontinuity, and Growth Curves?

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