

International Relations INR 5615  
**Graduate Seminar in Research Design**

Spring 2007  
Wed. 2:00 - 4:45 pm  
Section 01

Dr. Paul A. Kowert  
Office: DM 436A  
Hours: Tues/Thurs 2-4 pm

A degree in "international relations" presupposes more than that you will acquire knowledge about different countries and their interactions, about the objectives and behavior of international organizations, about transnational economic patterns, or about other global phenomena. It also indicates that you are able to conduct research, in one or more of these domains, to answer interesting questions to your own satisfaction and to that of other professional social scientists.

Posing and answering important research questions is an art. There is no objective way to decide what is an "important" problem and what is "uninteresting." Partly, it is a function of what is already known (or thought to be known) and what is not. And, inevitably, it is also a function of your personal interests (or perhaps those of your thesis advisers), of current events, and of other intangibles. Scholars who study international relations do not even agree on the best way to answer questions (interesting or not). But this does *not* mean that there is no basis for comparing answers. This course will introduce you to some of the most common arguments advanced in support of various ways of conducting research. It focuses on how to formulate a compelling research design and on the virtues and shortcomings of various kinds of evidence or "data." Its purpose is to enable you to construct and defend your own proposal for a research project in international relations.

### **Course Requirements**

This course is taught as a graduate seminar and thus requires active class participation, which forms the basis for part of your grade. All required readings (indicated by an asterisk on the syllabus) should be completed before class. A short written summary of each reading should be prepared and brought to class (1-2 sentences per article, 3-4 sentences total for multiple chapters in a book). These summaries will constitute part of the class participation grade. The required books are available for purchase in the Campus Bookstore.

The course requires a "research critique" of no more than 5 pages (including all footnotes, tables, and other material), evaluating the research design and persuasiveness of a piece of published *empirical* research. Please note that this critique is not a book report: it should summarize the reviewed work minimally and only as necessary. Its objective is to evaluate the approach, technique, evidence, and design of the work under review.

The course also requires a research design that proposes an original research project on some aspect of international relations. This assignment is divided into two parts. The first part, due early in the course, will articulate a specific research question and briefly summarize the existing literature relevant to this question (i.e., answers others have proposed to this question). This paper should make clear what is novel about your proposed approach. It should not be

more than 10 pages long, and will form the basis for the second part of this assignment: a complete research proposal of approximately 15-20 pages. The final research proposal should contain a revised version of the original essay, articulating your research hypothesis, and should also explain in detail how the research might be conducted. This proposal should justify your selection of cases or other data, it should describe the methods to be used for assessing this data, and it should explain how the expected results might be interpreted within the larger context of international relations theory. The final paper is due at the beginning of the last class meeting.

All written work must be typed and double-spaced with one-inch margins. It should conform stylistically to the standards of a prominent international relations journal (such as *International Organization*, *International Studies Quarterly*, or *World Politics*). Style manuals such as the following may also be helpful: Kate Turabian, *Manual for Writers of Term Papers, Theses, and Dissertations* (Chicago: University of Chicago Press); and William Strunk, Jr. and E. B. White, *The Elements of Style* (New York: Macmillan). The latter of these two is a required text for this course. Written work should also conform to university and professional standards for academic integrity such as those described in the Student Handbook. Late papers will be accepted only at the professor's discretion and will be penalized. Please note, also, that *no assignment will be accepted in the form of an email attachment* under any circumstances.

Grades will be determined on the basis of these course requirements as follows:

Commentary and Participation in Class	20%
Essay on Research Problem	20%
Research Critique	20%
Final Research Design	40%

### **Required Texts**

Diesing, Paul, *How Does Social Science Work? Reflections on Practice* (Pittsburgh: University of Pittsburgh Press, 1991).

King, Gary, Robert Keohane, and Sidney Verba, *Designing Social Inquiry: Scientific Inference in Qualitative Research* (Princeton: Princeton University Press, 1994).

Strunk, William and E. B. White, *The Elements of Style* (New York: Macmillan, 1979).

*Additional required readings are not conveniently available in book form. Access to these readings will be discussed on the first day of class.*

### **Questions? Problems?**

You are always welcome to discuss this course or other academic issues with me during my office hours. I will also be happy to make an appointment for another time if you cannot see me during office hours. Don't hesitate to ask if you have any questions or problems.

## Syllabus

### Week 1 (Jan. 10) — *Scope and Introduction to the Field of International Relations*

- \* Hoffman, Stanley, "An American Social Science: International Relations," *Daedalus* (1977), pp. 41-60.
- \* Singer, J. David, "The Level of Analysis Problem in International Relations," in Klaus Knorr and Sidney Verba, *The International System: Theoretical Essays* (Princeton: Princeton University Press, 1961).

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Gilpin, Robert, "Three Ideologies of Political Economy," in R. Gilpin, *The Political Economy of International Relations* (Princeton: Princeton University Press, 1987), pp. 25-64.

Jervis, Robert, "Perception and the Level of Analysis Problem," in Robert Jervis, *Perception and Misperception in International Relations* (Princeton: Princeton University Press, 1976), pp. 13-31.

Sterling-Folker, Jennifer, "Realist Environment, Liberal Process, and Domestic-Level Variables," *International Studies Quarterly* 41 (1997), pp. 1-25.

Waltz, Kenneth, *Man, the State and War* (New York: Columbia University Press, 1959).

Waltz, Kenneth, *Theory of International Relations* (New York: Random House, 1979).

## Part I — Philosophy of Social Science

### Week 2 (Jan. 17) — *Positivism and Social Science*

- \* Diesing, Paul, *How Does Social Science Work? Reflections on Practice* (Pittsburgh: University of Pittsburgh Press, 1991), pp. 3-74.
- \* Kuhn, Thomas, *The Structure of Scientific Revolutions* (Chicago: University of Chicago Press, 1962), pp. 1-51, 111-135.

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Almond, Gabriel, and Stephen J. Genco, "Clouds, Clocks, and the Study of Politics," *World Politics* 29 (1977), pp. 489-522. 21 (1967), pp. 185-206.

Bueno de Mesquita, Bruce, Stephen Krasner, and Robert Jervis, "Symposium: Methodological Foundations of the Study of International Conflict," *International Studies Quarterly* 29 (1985), pp. 119-154.

Bull, Hedley, "International Theory: The Case for a Classical Approach," *World Politics* 18 (1966), pp. 361-377.

Hempel, Carl G., *Aspects of Scientific Explanation and Other Essays in the Philosophy of Science* (New York: Free Press, 1965).

Hempel, Carl G., *Philosophy of Natural Science* (Englewood Cliffs, NJ: Prentice-Hall, 1966).

Kaplan, Morton, "The New Great Debate: Traditionalism Vs. Science in International Relations," *World Politics* 19 (1966).

Morgenthau, Hans. J., *Scientific Man Vs. Power Politics* (Chicago: University of Chicago Press, 1946).

Newton-Smith, W. H., *The Rationality of Science* (Boston: Routledge & Kegan Paul, 1981).

Popper, Karl, *The Logic of Scientific Discovery* (New York: Harper and Row, 1968).

Stinchcomb, Arthur L., *Constructing Social Theories* (Chicago: University of Chicago Press, 1968).

### **Week 3 (Jan. 24) — *The Messy "Reality" of Social Science***

\* Diesing, Paul, *How Does Social Science Work? Reflections on Practice* (Pittsburgh: University of Pittsburgh Press, 1991), pp. 149-241 (skim 75-103, 242-299).

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- Ashley, Richard, "Three Modes of Economism," *International Studies Quarterly* 27 (1983), pp. 463-496.
- Crawford, Elisabeth T. and Albert D. Biderman, Eds., *Social Scientists and International Affairs: A Case for a Sociology of Social Science* (New York: Wiley, 1969).
- Gilovich, Thomas, *How We Know What Isn't So: The Fallibility of Human Reason in Everyday Life* (New York: Free Press, 1991).
- Green, Donald and Ian Shapiro, *Pathologies of Rational Choice Theory* (New Haven: Yale University Press, 1994).
- Hamilton, Richard, *The Social Misconstruction of Reality: Validity and Verification in the Scholarly Community* (New Haven: Yale University Press, 1996).
- Kuhn, Thomas S., *The Structure of Scientific Revolutions* (Chicago: Chicago University Press, 1962, 1970).
- Lowi, Theodore J., "The State in Political Science: How We Became What We Study," *American Political Science Review* 86 (1992), pp. 1-7.
- Myrdal, Gunnar, "The Need for a Sociology and Psychology of Social Science and Scientists," *World Development* 1, 5 (1973), pp. 41-46.
- Snyder, Jack, "Richness, Rigor, and Relevance in the Study of Soviet Foreign Policy," *International Security* 9 (1984/85), pp. 89-108.
- "Symposium on Political Psychology and Politicized Psychology," *Political Psychology* 15 (1994), pp. 509-577.
- Stinchcombe, Arthur, *Constructing Social Theories* (Chicago: University of Chicago Press, 1968).

### **Week 4 (Jan. 31) — *Critical Theory, Postmodernism, Constructivism and Research***

- \* Diesing, Paul, *How Does Social Science Work? Reflections on Practice* (Pittsburgh: University of Pittsburgh Press, 1991), pp. 104-145.
- \* Lapid, Yosef, "The Third Debate: On the Prospects of International Theory in a Post-Positivist Era," *International Studies Quarterly* 33 (1989), pp. 235-254.
- \* Onuf, Nicholas, "Constructivism: A User's Manual," in Vendulka Kubáľková, Nicholas Onuf, and Paul Kowert, eds., *International Relations in a Constructed World* (Armonk, NY: M. E. Sharpe, 1998), pp. 58-78.

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- Ashley, Richard, "The Poverty of Neorealism," *International Organization* 38 (1984), pp. 225-286.
- Ashley, Richard, "The Geopolitics of Geopolitical Space: Toward a Critical Social Theory of International Politics," *Alternatives* 12 (1987), pp. 403-434.
- Biersteker, Thomas J., "Critical Reflections on Post-positivism in International Relations," *International Studies Quarterly* 33 (1989), pp. 263-267.
- Campbell, David, *Writing Security: United States Foreign Policy and the Politics of Identity* (Minneapolis: University of Minnesota Press, 1992).
- Der Derian, James and Michael Shapiro, eds., *International/Intertextual Relations: Post-Modern Readings of World Politics* (Lexington: Lexington Books, 1989).
- Dessler, David, "What's at Stake in the Agent-Structure Debate?" *International Organization* 43 (1989), pp. 443-473.
- Doty, Roxanne Lynn, "Foreign Policy as Social Construction: A Post-Positivist Analysis of U. S. Counterinsurgency Policy in the Philippines," *International Studies Quarterly* 37 (1993), pp. 297-320.
- George, Jim, *Discourses of Global Politics: A Critical (Re)Introduction to International Relations* (Boulder: Lynne Rienner, 1994).
- George, Jim and David Campbell, "Patterns of Dissent and the Celebration of Difference," *International Studies Quarterly* 34 (1990), pp. 269-293.
- Hoffman, Mark, "Critical Theory and the Inter-Paradigm Debate," *Millennium* 16 (1987), pp. 231-249.

- Hopf, Ted, *Social Construction of International Politics: Identities and Foreign Policies, Moscow, 1955 and 1999* (Ithaca: Cornell University Press, 2002).
- Neufeld, Mark, *The Restructuring of International Relations Theory* (Cambridge: Cambridge University Press, 1995), pp. 22-121.
- Onuf, Nicholas, *World of Our Making: Rules and Rule in Social Theory and International Relations* (Columbia: University of South Carolina Press, 1989).
- Rengger, Nicholas, "Going Critical? A Response to Hoffman," *Millennium* 17 (1988), pp. 81-89.
- Rengger, Nicholas, *Political Theory, Modernity, and Postmodernity: Beyond Enlightenment and Critique* (Oxford: Blackwell, 1995).
- Sjolander, Claire Turenne and Wayne S. Cox, eds., *Beyond Positivism : Critical Reflections on International Relations* (Boulder: Lynne Rienner, 1994).
- Vasquez, John A., "The Post-Positivist Debate," in Ken Booth and Steve Smith, eds., *International Relations Theory Today* (University Park, Pennsylvania: Pennsylvania State University Press, 1995), pp. 217-240.
- Velody, Irving and Robin Williams, eds., *The Politics of Constructionism* (London: Sage Publications, 1998)
- Walker, R. B. J., *Inside/Outside: International Relations as Political Theory* (Cambridge: Cambridge University Press, 1993).
- Weber, Cynthia, *Simulating Sovereignty: Intervention, the State, and Symbolic Exchange* (Cambridge: Cambridge University Press, 1994).
- Wendt, Alexander, "The Agent-Structure Problem in International Relations Theory," *International Organization* 41 (1987), pp. 335-370.
- Wendt, Alexander, "Anarchy is What States Make of It: The Social Construction of Power Politics," *International Organization* 46 (1992), pp. 391-425.
- Wendt, Alexander, *Social Theory of International Politics* (New York: Cambridge University Press, 1999).

## Part II — Research Design

### Week 5 (Feb. 7) — *Interesting Questions and Useful Answers: Theories and Hypotheses*

- \* King, Gary, Robert Keohane, and Sidney Verba, *Designing Social Inquiry: Scientific Inference in Qualitative Research* (Princeton: Princeton University Press, 1994), chs. 1-3 skim.
- \* Waltz, Kenneth, *Theory of International Politics* (New York: Random House, 1979), pp. 1-37.
- \* Przeworski, Adam and Frank Salomon, "On the Art of Writing Grant Proposals," Social Science Research Council pamphlet.

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#### On Theories and Hypothesis:

- Aron, Raymond, "What is a Theory of International Relations?" *Journal of International Affairs* 21 (1967), pp. 185-206.
- Booth, Ken and Steve Smith, eds., *International Relations Theory Today* (University Park, Pennsylvania: Pennsylvania State University Press, 1995).
- Feynman, Richard, *The Character of Physical Law* (Cambridge: MIT Press, 1965).
- Dessler, David, "Beyond Correlations: Toward a Causal Theory of War," *International Studies Quarterly* 35 (1991), pp. 337-355.
- Gigerenzer, Gerd et al., *The Empire of Chance: How Probability Changed Science and Everyday Life* (New York: Cambridge University Press, 1989).
- Hoffman, Stanley, "Theory and International Relations," in Hoffman, *The State of War* (New York: Praeger, 1965).
- Levy, Jack, "Theories of General War," *World Politics* 37 (1985), pp. 344-374.
- Snidal, Duncan, "The Game Theory of International Politics," *World Politics* (1985), pp. 25-57.
- On "Selling" an Interesting Question:
- Cohen, Saraya, *Proposal Writing* (Newbury Park, CA: Sage, 1990).
- Krathwohl, David, *How to Prepare a Research Proposal* (Syracuse: Syracuse University Press, 1988).

Locke, Lawrence F., Waneen Wyrick Spirduso, and Stephen J. Silverman, *Proposals That Work : A Guide for Planning Dissertations and Grant Proposals* (Newbury Park: Sage Publications, 1993).  
Vaughan, Roger J., *Communicating Social Science Research to Policymakers* (Thousand Oaks, CA: Sage Publications, 1998).

## **Week 6 (Feb. 14) — Defending a Hypothesis**

### **First Paper (Essay on Research Problem) Due**

- \* King, Gary, Robert Keohane, and Sidney Verba, *Designing Social Inquiry: Scientific Inference in Qualitative Research* (Princeton: Princeton University Press, 1994), chs. 4-5.
- \* Singer, J. David, *Models, Methods, and Progress in World Politics* (Boulder: Westview Press, 1990), pp. 94-156.

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Fearon, James, "Counterfactuals and Hypothesis Testing in Political Science," *World Politics* 43 (1991).  
Hirschman, Albert O., "The Search for Paradigms as a Hindrance to Understanding," *World Politics* 22 (1970), pp. 329-343.  
Lakatos, Imre and A. Musgrave, eds., *Criticism and the Growth of Knowledge* (Cambridge: Cambridge University Press, 1970).  
Mutchnick, Robert and Bruce Berg, *Research Methods for the Social Sciences* (Boston: Allyn and Bacon, 1996), ch. 3.  
Nagel, Ernest, *The Structure of Science: Problems in the Logic of Scientific Explanation* (New York: Harcourt, Brace & World, 1961).  
Orcher, Lawrence T., *Conducting Research: Social and Behavior Science Methods* (Glendale, CA: Pyrczak, 2005).  
Shively, W. Phillips, *The Craft of Political Research* (Englewood Cliffs: Prentice-Hall, 1980).  
Sober, Elliot, *Reconstructing the Past: Parsimony, Evolution and Inference* (Cambridge: MIT Press, 1988).  
Spector, Paul, *Research Designs* (Beverly Hills: Sage Publications, 1981), pp. 7-27.  
Woods, John and Douglas Walton, *Argument: The Logic of the Fallacies* (New York: McGraw-Hill, 1982).

## **Week 7 (Feb. 21) — Research and Scholarly Writing**

- \* Bem, Daryl J., "Writing the Empirical Journal Article," in Mark P. Zanna *et al*, *The Compleat Academic: A Practical Guide for the Beginning Social Scientist* (New York: Random House, 1987).
- \* Diesing, Paul, *How Does Social Science Work? Reflections on Practice* (Pittsburgh: University of Pittsburgh Press, 1991), pp. 303-364.
- \* Strunk, William and E. B. White, *The Elements of Style* (New York: Macmillan, 1979), review ch. 5 (or, read entire book if you've never read it before).

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Arnold, David, Christine Becker, and Elizabeth Keller, eds., *Effective Communication: Getting the Message Across* (Washington, DC: ICMA, 1983).  
Friedman, Sharon, *Writing and Thinking in the Social Sciences* (Englewood Cliffs: Prentice-Hall, 1989).  
Hunter, Albert, *The Rhetoric of Social Research* (New Brunswick: Rutgers University Press, 1990).  
Millar, T. B., "On Writing About Foreign Policy," in James N. Rosenau, *International Politics and Foreign Policy* (New York: The Free Press, 1969), pp. 57-64.  
Pyrczak, Fred and Randall R. Bruce, *Writing Empirical Research Reports: A Basic Guide for Students of the Social and Behavioral Sciences* (Glendale, CA: Pyrczak, 2005).

### Part III — Data and their Uses

#### Week 8 (Feb. 28) — Social and Historical "Quasi-experiments"

- \* Collier, David and James Mahoney, "Insights and Pitfalls: Selection Bias in Qualitative Research," *World Politics* 49 (1996), pp. 56-91.
- \* King, Gary, Robert Keohane, and Sidney Verba, *Designing Social Inquiry: Scientific Inference in Qualitative Research* (Princeton: Princeton University Press, 1994), ch. 6.
- \***Example:** Putnam, Robert, *Making Democracy Work* (Princeton: Princeton University Press, 1993), chs. 1-4.

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Achen, Christopher, *The Statistical Analysis of Quasi-Experiments* (Berkeley: University of California Press, 1986).  
Achen, Christopher and Duncan Snidal, "Rational Deterrence Theory and Comparative Case Studies," *World Politics* 41 (1989).  
Collier, David, "Translating Quantitative Methods for Qualitative Researchers: The Case of Selection Bias," *American Political Science Review* 89 (1995).  
Geddes, Barbara, "How the Cases You Choose Affect the Answers You Get: Selection Bias in Comparative Politics," in James A. Stimson, ed., *Political Analysis*, Vol. 2 (Ann Arbor: University of Michigan Press, 1990).  
Skocpol, Theda and Margaret Somers, "The Uses of Comparative History in Macrosocial Inquiry," *Comparative Studies in Society and History* 22, pp. 147-97.

#### Week 9 (Mar. 7) — Comparative Case Studies and "Qualitative" Data

- \* George, Alexander, "Case Studies and Theory Development: The Method of Structured, Focused Comparison," in Paul Gordon Lauren, ed., *Diplomacy* (New York: Free Press, 1979), pp. 43-68.
- \***Example:** Kier, Elizabeth, *Imagining War: French and British Military Doctrine Between the Wars* (Princeton: Princeton University Press, 1997), pp. 10-88.

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Eckstein, Harry, "Case Study and Theory in Political Science," in Fred Greenstein and Nelson Polsby, eds., *Handbook of Political Science*, Vol. 7 (Reading, Massachusetts: Addison-Wesley, 1975), pp. 79-137.  
Geddes, Barbara, "How the Cases You Choose Affect the Answers You Get: Selection Bias in Comparative Politics," *Political Analysis* 2 (1990), pp. 131-152.  
Geertz, Clifford, *The Interpretation of Cultures: Selected Essays* (New York: Basic, 1973).  
Geertz, Clifford, *Local Knowledge: Further Essays in Interpretative Anthropology* (New York: Basic Books, 1983).  
George, Alexander and Andrew Bennett, *Case Studies and Theory Development in the Social Sciences* (Boston: MIT Press, 2005).  
Lijphart, Arend, "Comparative Politics and the Comparative Method," *American Political Science Review* 65 (1971), pp. 682-693.  
Morrison, Donald G. et al, *Black Africa: A Comparative Handbook* (New York: Free Press, 1972).  
Pzeworski, Adam and Henry Teune, *The Logic of Comparative Inquiry* (New York: Wiley, 1970).  
Rosenau, James N., *Comparing Foreign Policies: Theories, Findings, and Methods* (New York: Halsted Press, 1974).  
Walton, John, "Making the Theoretical Case," in C. C. Ragin and H. S. Becker, eds., *What is a Case? Exploring the Foundations of Social Inquiry* (New York: Cambridge University Press), pp. 121-138.

## **Week 10 (Mar. 14) — Interviews, Surveys, and Direct Observation**

- \* Holsti, Ole, *Content Analysis for the Social Sciences and Humanities* (Reading, Massachusetts: Addison-Wesley, 1969), ch. 2.
- \* Young, Michael D. and Mark Schafer, "Is There Method in Our Madness? Ways of Assessing Cognition in International Relations," *Mershon International Studies Review* 42 (1988), pp. 63-96.
- \* Rossi, Peter H., James D. Wright, and Andy B. Anderson, eds., *Handbook of Survey Research* (New York: Academic Press, 1983), chs. 1, 6.
- \* **Example:** Krosnick, Jon and Shibley Telhami, "Public Attitudes Toward Israel: A Study of the Attentive and Issue Publics," *International Studies Quarterly* 39 (1995), pp. 535-554.

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Becker, Howard S., "How I Learned What a Crock Was," (Special Issue: "Fieldwork in Elite Settings"), *Journal of Contemporary Ethnography* 22 (April 1993), pp. 28-36.

Becker, Howard S., *Tricks of the Trade: How to Think About Your Research While You're Doing It* (Chicago: University of Chicago Press, 1998).

Bernard, H. Russell, *Research Methods in Anthropology: Qualitative and Quantitative Approaches* (Thousand Oaks: Sage, 1994).

Briggs, Charles L., *Learning How to Ask* (New York: Cambridge University Press, 1986).

Buraway, Michael, *Ethnography Unbound* (Berkeley: University of California Press, 1991).

Emerson, Robert M., *Contemporary Field Research* (Boston: Little, Brown, 1983).

King, Gary, *A Solution to the Ecological Inference Problem: Reconstructing Individual Behavior from Aggregate Data* (Princeton: Princeton University Press, 1997).

Kvale, Steinmar, *Interviews: An Introduction to Qualitative Research Interviewing* (Thousand Oaks: Sage, 1996).

Lofland and Lofland, *Analyzing Social Settings: A Guide to Qualitative Observational Analysis* (Belmont, CA: Wadsworth, 1971).

McCracken, Grant David, *The Long Interview* (Newbury Park, CA: Sage, 1988).

Merton, Robert, Marjorie Fiske, and Patricia L. Kendall, *The Focused Interview: A Manual of Problems and Procedures* (New York: Free Press, 1990).

Patten, Mildred L., *Questionnaire Research: A Practical Guide* (Glendale, CA: Pycszak, 2001).

## **Week 11 (Mar. 21) — Spring Break**

No class meeting.

## **Week 12 (Mar. 28) — Statistics and Quantitative Analysis**

### **Research Critique Due.**

- \* Agnew, Neil McK. and Sandra W. Pyke, *The Science Game: An Introduction to Research in the Behavioral Sciences* (Englewood Cliffs, New Jersey: Prentice-Hall, 1978), ch.10.
- \* Jaffe, A. J. and Herbert F. Spierer, *Misused Statistics: Straight Talk for Twisted Numbers* (New York: Marcel Dekker, 1987), ch. 11.
- \* Schroeder, Larry, David L. Sjoquist, and Paula E. Stephan, *Understanding Regression Analysis: An Introductory Guide* (Beverly Hills: Sage, 1986), pp. 11-22.
- \* **Example:** Kowert, Paul and Margaret G. Hermann, "Who Takes Risks? Daring and Caution in Foreign Policy Decision Making," *Journal of Conflict Resolution* 41 (1997), pp. 611-637.

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Choucri, Nazli, and Thomas W. Robinson, *Forecasting in International Relations: Theory, Methods, Problems, Prospects* (San Francisco: W. H. Freeman, 1978).

Hoole, Francis W. and Dina A. Zinnes, eds., *Quantitative International Politics* (New York: Praeger, 1976).

Huff, Darrell, *How to Lie with Statistics* (New York: W. W. Norton, 1954).

Merritt, Richard L. and Stein Rokkan, eds., *Comparing Nations: The Use of Quantitative Data in Cross-National Research* (New Haven: Yale University Press, 1966).

Pennings, Paul, *Doing Research in Political Science: An Introduction to Comparative Methods and Statistics* (London: Sage, 1999).

Phillips, John L., *How to Think about Statistics* (New York: Freeman, 1992).

Pyczak, Fred, *Making Sense of Statistics: A Conceptual Overview* (Glendale, CA: Pyczak, 2003).

Russett, Bruce, "The Young Science of International Politics," *World Politics* (1969), pp. 87-94.

Schroeder, Larry D., David Sjoquist, and Paula Stephan, *Understanding Regression Analysis: An Introductory Guide* (Beverly Hills, Sage, 1986).

Young, Oran, "Professor Russett: Industrious Tailor to a Naked Emperor," *World Politics* (1969), pp. 486-511.

### **Week 13 (Apr. 4) — Quantitative Analysis (continued) and Geographic Information Systems**

- \* Chan, Steve, "In Search of Democratic Peace: Problems and Promise," *Mershon International Studies Review* 41 (1997), pp. 59-91.
- \* Foresman, Timothy W., "GIS Early Years and the Threads of Evolution," in Timothy W. Foresman, Ed., *The History of Geographic Information Systems: Perspectives from the Pioneers* (Upper Saddle River, NJ: Prentice-Hall, 1998), pp. 3-17.
- \* **Online Exercise:** Complete the "introduction to GIS" module, and any other modules you wish, on this webpage — <http://www.sli.unimelb.edu.au/gisweb/menu.html> . Another good online overview can be found at — [http://erg.usgs.gov/isb/pubs/gis\\_poster](http://erg.usgs.gov/isb/pubs/gis_poster) .
- \* **Example:** J. David Singer, Stuart Bremer, and John Stuckey, "Capability Distribution, Uncertainty, and Major Power War, 1820-1965," in Russett, Bruce, ed., *Peace, War, and Numbers* (Beverly Hills: Sage, 1972), ch. 1.

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Bremer, Stuart A., "Dangerous Dyads: Conditions Affecting the Likelihood of Interstate War, 1816-1965," *Journal of Conflict Resolution* 36 (1992), pp. 309-341.

Chang, Kang-Tsung, *Introduction to Geographic Information Systems* (New York: McGraw Hill, 2002).

Doyle, Michael, "Liberalism and World Politics," *American Political Science Review* 80 (1986), pp. 1151-1169.

Ember, Carol, Melvin Ember, and Bruce Russett, "Peace Between Participatory Polities: A Cross-Cultural Test of the 'Democracies Rarely Fight Each Other' Hypothesis," *World Politics* 44 (1992), pp. 573-599.

Timothy W. Foresman, Ed., *The History of Geographic Information Systems: Perspectives from the Pioneers* (Upper Saddle River, NJ: Prentice-Hall, 1998).

Garson, G. David and Robert S. Biggs, *Analytic Mapping and Geographic Databases* (Newbury Park, CA: Sage, 1992).

Gaubatz, Kurt Taylor, "Election Cycles and War," *Journal of Conflict Resolution* 35 (1991), pp. 212-244.

Laurini, Robert, *Fundamentals of Spatial Information Systems* (San Diego, CA: Academic Press, 1992).

Layne, Christopher, "Kant or Can't: The Myth of Democratic Peace," *International Security* 19 (1994), pp. 5-49.

Lo, Chor Pang and Albert K. W. Young, *Concepts and Techniques of Geographic Information Systems* (Upper Saddle River, NJ: Prentice Hall, 2002).

Mansfield, Edward D. and Jack Snyder, "The Effects of Democratization on War," *International Security* 20 (1996), pp. 196-207.

Maoz, Zeev and Bruce M. Russett, "Alliance, Contiguity, Wealth, and Political Stability: Is the Lack of Conflict Among Democracies a Statistical Artifact?" *International Interactions* 17 (1992), pp. 245-267.

Morgan, T. Clifton and Kenneth Bickers, "Domestic Discontent and the External Use of Force," *Journal of Conflict Resolution* 36 (1992), pp. 25-52.

Ray, James Lee, *Democracy and International Conflict: An Evaluation of the Democratic Peace Proposition* (Columbia: Columbia University Press, 1995).

- Rummel, Rudolph J., "Libertarianism and International Violence," *Journal of Conflict Resolution* 27 (1983), pp. 27-71.
- Rummel, R. J., *Power Kills: Democracy as a Method of Nonviolence* (New Brunswick: Transaction Publishers, 1997).
- Russett, Bruce, *Controlling the Sword: The Democratic Governance of National Security* (Cambridge: Harvard University Press, 1990).
- Schuurman, Nadine, *GIS: A Short Introduction* (Malden, MA: Blackwell, 2004).
- Schweller, Randall L., "Domestic Structure and Preventive War: Are Democracies More Pacific?" *World Politics* 44 (1992), pp. 235-269.

## **Week 14 (Apr. 11) — Simulation, Experimentation and Modeling**

- \* Morrow, James, *Game Theory for Political Scientists* (Princeton: Princeton University Press, 1994), chs. 1-3.
- \* **Example:** Axelrod, Robert, *The Evolution of Cooperation* (New York: Basic, 1984), chs. 1-2.
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## Part IV — Ethics and the Ivory Tower

Week 15 (Apr. 18) — *Ethics and Social Science*

**Final Paper (Research Design) Due.**

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