

Political Science 202
Introduction to Political Analysis
Spring 2023: Problem Set #10

Due in Turnitin (Blackboard) on Friday, May 5 at 5:00 PM. 10 points in total. Late submissions are penalized with 1 point per 24 hours. MAKE SURE THAT YOU RECEIVE AN UPLOAD CONFIRMATION and SAVE THE CONFIRMATION (submission date and confirmation number). If you have trouble uploading to Blackboard, email as an attachment to your TA before the deadline. If you don't get a reply confirming that you handed it in, send it again.

Sandholtz, Wayne and Koetzle, William (2000): "Accounting for Corruption: Economic Structure, Democracy, and Trade" *International Studies Quarterly* 44(1): 31-50.

Download and read the article above. This is a typical political science article and, given what you have learned in this class, you will now be able to actually understand what the authors are doing.

1. In your own words, summarize which question (or questions) the authors are trying to answer.
2. In your own words, summarize the theoretical argument(s) the authors make, and what their hypotheses are.
3. Describe the data they use. In particular, what is the unit of analysis? What is the sample they analyze? What is the dependent variable, and how is it measured? What are the independent variables, and how are they measured? Comment on any potential problems with how the variables are measured.

Table 2 provides the results of a multivariate regression analysis. On the left of the table, you see the names of the independent variables etc. Focus on Model 3 only. In each row, you first see the regression coefficient for an independent variable, and then its standard error in parentheses. Ignore the lines that say " $\beta = -.34$ " and so on.

4. What is the effect of GDP per capita on the dependent variable? Interpret the substantive meaning of the coefficient and state whether we can reject the null hypothesis.
5. What is the effect of democratic years on the dependent variable? Interpret the substantive meaning of the coefficient and state whether we can reject the null hypothesis.
6. What is the effect of British colony on the dependent variable? Interpret the substantive meaning of the coefficient and state whether we can reject the null hypothesis.
7. Summarize what you have learned about the causes of corruption from this article. Comment on the extent to which the article succeeds in establishing that there is a causal relation between the independent variables and corruption.