Does Geography Matter?

A Regional Analysis of Variance Using ACU and ADA Indexes for U.S. House of Representatives 1981 - 2009



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ABSTRACT

s and perceived political party influence have dominated recent literature concerning the roll call voting of Congressmen in the United States. In most instances the success of individual pieces of legislation depends on which party has control of either the House or the Senate. Likewise, literature has noted that over the past thirty years Republicans generally are more politically conservative than their Democratic counterparts. Literature concerning the subject, however, has neglected the influence of geography on Congressional voting patterns. This research investigates whether U.S. House of Representative voting records are influenced greater by party and ideology or region. Roll call voting data was collected from two grassroots lobbying organizations: American's for Democratic Action (ADA) affiliated with liberal analysis and American Conservative Union (ACU) affiliated with conservative analysis. The two lobbying organizations assign an index rating to a representative based on voting history to determine how liberal or conservative that representative might be. ACU and ADA ratings were collected for each member of the House from 1981-2009. Dummy variable multivariate regression analyzed polarization with two categorical variables: region and party affiliation. In the past, roll call voting was heavily influenced by the region from which that representative resided in. Over time, region has become less predictive of member voting and political party affiliation has become highly predictive of member voting contributing to the literature on the polarization of politics and the influence of geography.

DISCUSSION

A distinctive and patterned form of political philosophy that consister of beliefs on how governmental, politcal, and economic life should be carried out. Remnant of Elazar's works can be seen in regional characteristics of modern political thought. These divisions were used in this study to divide US regions: North, South, and West.

WEST

Moralistic Focus on bettering the community as a whole **Traditionalist**

To maintain the traditional order of things and place high regard on the elite

Individualistic

Promotes economic efficiencyin the context of improving economic development

: Indexes independent variables by substituting a 0 or 1 to indicate the absence or presence of a given variable to optimize the regression model. This method is used to combine party affiliation into one category:

> Democrat = 1Republican = 0

Released by the Republican Party in 1994 on the basis of shrinking government, promoting lower taxes, and welfare reform. First time since 1918 that the Congressional election was run on the national level.

Iraq War: The House adopted a resolution opposing the "surge" of 20,000 additional troops into Iraq. ACU opposed this resolution, which passed 246-182 on Februrary 16, 2007.

Iraq Troop Withdrawal: The House defeated a bill that would have required the withdrawal of US troops from Iraq within 180 days. ACU opposed this bill, which failled on May 10, 2007 (vote, 171-255).

METHODS

Index rating data was collected from two grassroots organizations: American's for Democratic Action (ADA) and American Conservative Union (ACU). These indexes assign a numerical value to how liberal or conservative a representative is based on voting record for twenty+ significant pieces of legislation. Data was collected every odd year: 1981-2009.

Index Rating Representative **Voting Record** Maine

1 Andrews T (D) +++++++++++++++ 100

2 Snowe O (R) ---+ --- + + --+ 30

There are no differences in the voting patterns of House members, based on either ADA or ACU data, between regions.

To test the validity of the above statement, Dummy Variable Multiple Regression was used. This approach defines the dependent variable as the voting records of House members through index ratings and independent variables as political affiliation (0 or 1) and region (0 or 1).

Voting Index per year = b0 + b1 (west) + b2 (south) + b3 (party)

In other words, how predictive are political party and region in explaining how liberal or conservative a House member is.

Additionally, index rating averages were calculated by regional and political party

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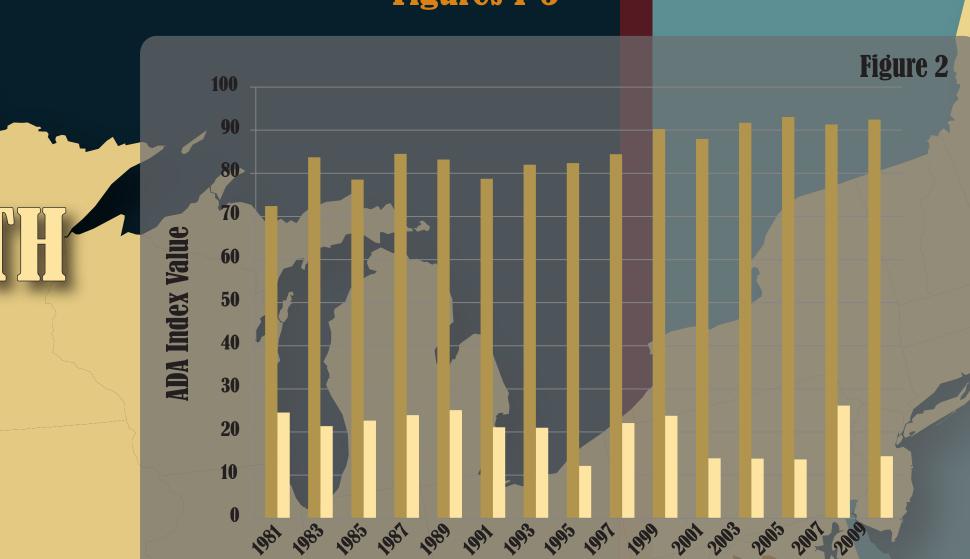
Figure 1

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**West includes Alaska and Hawaii

by Year and Region Figures 1-3

Republicans



Year

CULTERATION

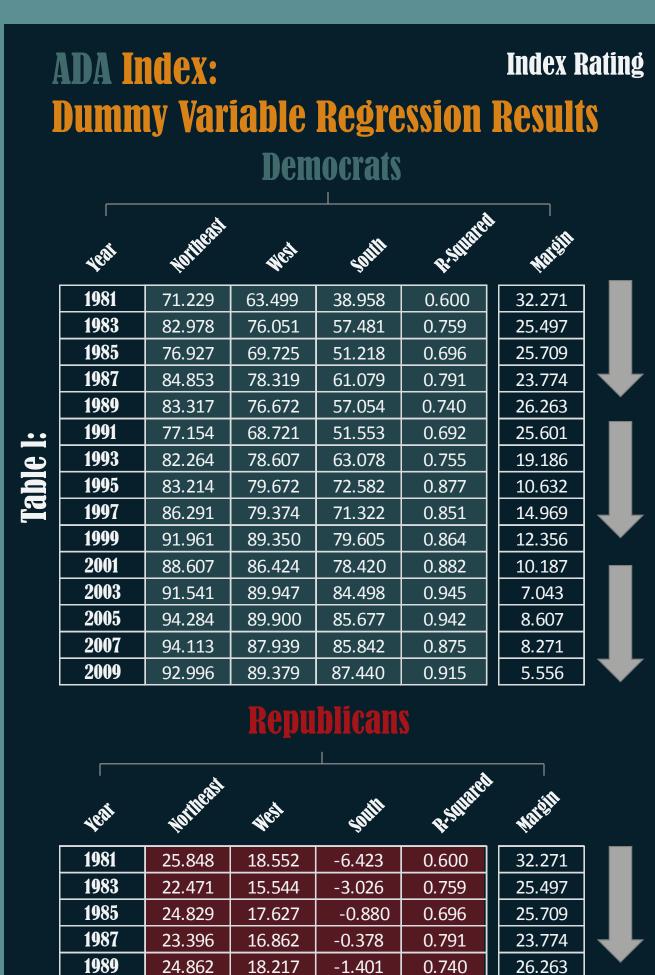
, partisan politics have increased over the study's timeframe. The ACU and ADA ratings illustrate that from 1981 to 2009 geography has decreased in importance when looking at the voting patterns ofHouse members. Even though the model presented in the study does indicate that northern House members for both parties are more liberal than both southern and western House members, the overal trends illustrated in Tables I-V indicate that today, membership in a particular party is a strong predictor of thevoting patterns of US House of Representative members. Today, an elected mocrat member, regardless of region, is likely to score a high liberal rating based on both **Uand ADA indexes.** Granted, the results do indicate that democratic members tend to deviate party lines, particularly in the south and west, more often compared to their republican counterparts. Recently, party line voting has stabilized in all three regions.

Some interesting patterns are found in this study's findings that are highly reflective of the political environments from which this data was collected. Table I shows a significant drop in Margin calulations from 1993 to 1995. When looking at the pieces of legislature and the politics of the time, this significant Margin drop can be associated with the Contract of America in 1994 (see Discussion for details). This was the Republican Party's platform to re-take the Houseto take control during the Clinton era. This created a sharp divide in government which is reflected in this study from 1994 to 1995. This party control switch is also found in Table III.

There is another perculiar occurance in Table II from 2005-2007. These two years increase in Margin in comparison to the decreasing trend. It is important to put these results in the scheme of reality. At this time in history, the US was heavily involved in Afghanistan and Iraq. This increase in Margincan be associated with responsiveness to constiuents. A vote to support our troops was a key piece of legislature to cross party lines to maintain a seat in the House of Representatives. In 2007, these pieces of legislation included: Iraq Troop Withdrawal Roll Calls (see Discussion for details).

This study is an extension of research regarding divided government. Ryan Weichelt produced an identical dy at the Senatorial level instead of the House. Weichelt found similar relationships between House member's ratings, regions, and party affiliation. These indings are listed below. Weichelt conluded that Senators are highly cognizant of the publics and reflect the general political overtones of the public at large. The next step to Weichelt's anlysis would be at the House level. House membership re-election is strongly associated with incumbency dvantage which means that members can be less responsive to consitutents. Because of this, the results found here further substantiate the hypothesis - there is a difference in the voting patterns of House members, based on either ADA or

FINDINGS



1991 23.659 15.226 -1.942 0.692 25.601

1993 20.584 16.927 1.398 0.755 19.186

1995 11.288 7.746 0.656 0.877 10.632

1997 19.688 12.771 4.992 0.851 14.696

1999 21.526 18.915 9.17 0.864 12.356

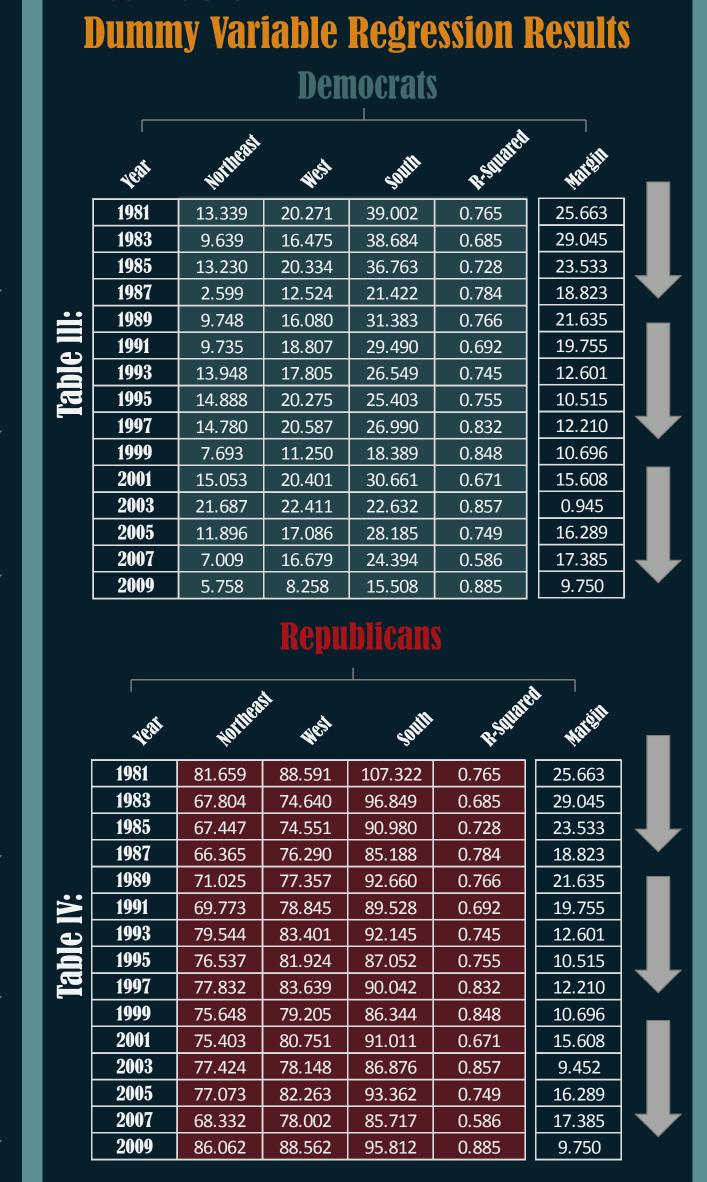
2001 | 13.132 | 10.949 | 2.945 | 0.882 | 10.187

2003 14.020 12.426 6.977 0.945 7.043

2005 12.281 7.897 3.674 0.942 8.607

2007 21.479 15.305 13.208 0.875 8.271

2009 13.107 9.490 4.551 0.915 8.556



II show the results using average ADA and ACU ratings for both democrats and republicans for each region. The average ideology ratings indicate the dominant ideology of each region. Democrats in the Northern region are generally fairly liberal, while democrats in the south have the tendency to lean more toward the middle. Regardless of regions, between 1981 and 2009, democrats tended to become more liberal closer to 2009, possibly indicting a strengthening of party allegiance. Republican members tend to have a high party allegiance, with little deviation of voting behavior over 1981 to 2009. The northern republicans became more conservative, with southern and western republicans continuing their conservative stance toward national policy. As seen with the democratic analysis, party allegiance for republicans increased as well from 1981 to 2009 with highest rates found in 2007. The average ratings for democrats and republicans are not sufficient enough to support or reject that null hypothesis previously stated above.

To tie this back to Elazar's theory of political cultures, conservatives are most likely to fall into the Traditional culture. Whereas, the liberals would be classified into the Individualistic culture and the west becomes a sort of hodge-podge. Based on Tables VI and VII, the South would be Traditional, the North would be Individualistic band the West would be a mixture of all three tradi-

Tables I and II show the Dummy Variable Regression results by region and party affiliation. The R-Squared value is listed which indicates the strength of the participating relationships. It can be noted that over time, the R-Sqaured values gradually strengthen with the highest values from 2001-2009. This demonstrates that over time voting patterns.

between members of each party begin to stabilize. This means that party affiliation is increasing its predictability of voting patterns and has become more important in the last few years than it was in the early 1980s when regionality was a large contributing factor.

The Margin columns in Tables I-IV were calculated by finding the difference between Northern and Southern scores. The Margins show a steady decrease through the study's timeframe. From 1981 to 2009 this Margin has narrowed which means that political party has become a larger influence on House member voting and demonstrates the increased polarization into the **2000s.**

These Tables also show how the Democrats and Republicans change over time byparticular regions. In Table I for example, Democrats from the Northeast were voting fairly liberal in 1981 with a generated score of 71.229. By 2009, Democratis from this region were generally voting as stronger liberals. In contrast, Democrats in the South in 1981 voted more conservatively with a score of 38.958 By 2009, Southern Democrats received a score of 87.440. Democrats regardless of regionhave vote more liberal

These measures provide a deeper analysis of divided government and how regionality has become less of a predictor ideology. Instead, political party affiliation is a more important variable in determining how a House member will vote. It is important to note that although polarization and party affiliation are playing a larger role, regionality still plays a statistical role but at a smaller level.

House Member Breakdown 1981-2009			
	Year	Democrats	Republicans
	1981	242	192
	1983	269	166
	1985	253	182
	1987	258	177
	1989	260	175
6	1991	267	167
Table III	1993	258	176
	1995	204	230
	1997	206	228
	1999	211	223
	2001	212	221
	2003	205	229
	2005	202	232
	2007	233	202
	2009	257	178

Democrats and Republicans is shown in Table III. This table demonstrates how control of the House has flucuated between the 1981 and 2009. Party control is color coded by year. Over time, the margin between political party membership in the House has narrowed with the exception of 2009. This could indicate that former Southern Democrats that vote more conservatively have crossed party lines and now affiliate themselves with the Republican party.

"As it is essential to liberty that the government in general should have a common interest with the people, so it is particularly essential branch of it under consideration 9House of Representatives) should have an immdeiate dependence on, and intimate sympathy with, the people."

(Madison in Federalist 52)

Averages by Year and Region **ACU Index ADA Index 1981** 45.138 55.609 62.992 **1981** 50.009 40.460 23.023 **1981** 32.510 44.294 56.259 **1983** 58.775 47.389 47.389 **1985** 54.896 44.219 32.205 **1981** | 36.045 | 47.158 | 56.267 28.985 | 43.400 | 43.601 **1987** 59.781 48.245 39.703 **1981** 34.737 43.601 54.142 **1989** 59.935 48.387 35.993 **1991** 56.762 44.819 33.333 **1993** 56.346 53.457 39.843 45.877 56.287 58.760 **1995** 47.059 37.363 32.678 1981 **1997** 57.086 40.197 32.363 36.765 48.559 58.418 **1999** 61.667 50.297 38.117 41.840 | 47.618 | 66.624 **2001** 53.710 49.060 33.655 **1981** 48.768 50.018 64.728 **2003** | 53.876 | 51.513 | 37.094 **1981** 42.090 47.542 67.463 **2005** 55.367 50.416 33.543 **1981** 30.915 40.177 58.914 **2007** 66.875 56.810 42.550 **2009** 27.989 39.028 58.053 **2009** 69.445 57.885 38.940

of Step, Out of Office: Electoral Accountability and House Member' grams for student-faculty collaborative research funding and

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