
Institutions, Modelling and Empirical Analysis
will lose centrist voters. The party must therefore determine the "optimal marginal condition" to maximize vote share. Theoretical results give this as a (first order) balance condition. Moreover, because activist support is denominated in terms of time and money, it is reasonable to suppose that the activist function will exhibit decreasing returns. When these activist functions are sufficiently concave, then the vote maximizing model will exhibit a Nash equilibrium. ${ }^{34}$

It is intrinsic to the model that voters evaluate candidates not only in terms of the voters' preferences over intended policies, but also in terms of electoral judgements about the quality of the candidates. These judgements are in turn influenced by the resources that the candidates can raise from their activist supporters.

Grossman and Helpman (1996), in their game theoretic model of activists, consider two distinct motives for interest groups:

Contributors with an electoral motive intend to promote the electoral prospects of preferred candidates, [while] those with an influence motive aim to influence the politicians' policy pronouncements.

In the activist model the term $\mu_{j}\left(z_{j}\right)$ influences every voter and thus contributes to the electoral motive for candidate $j$. In addition, the candidate must choose a position to balance the electoral and activist support, and thus change the position adopted. This change provides the logic of activist influence.

We argue that the influence of activists on the two candidates can be characterized in terms of activist gradients.

Because each candidate is supported by multiple activists, we extend the activist model by considering a family of potential activists, $\left\{A_{j}\right\}$ for each candidate, $j$, where each $k \in A_{j}$ is endowed with a utility function, $U_{k}$, which depends on candidate $j$ 's position $z_{j}$, and the preferred position of the activist. The resources allocated to $j$ by $k$ are denoted $R_{j k}\left(U_{k}\left(z_{j}\right)\right)$. Let $\mu_{j k}\left(R_{j k}\left(U_{k}\left(z_{j}\right)\right)\right)$ denote the effect that activist $k$ has on voters' utility. Note that the activist valence function for $j$ is the same for all voters. With multiple activists, the total activist valence function for candidate $j$ is the linear combination $\mu_{j}\left(z_{j}\right)=\sum_{k \in A_{j}} \mu_{j k}\left(R_{j k}\left(U_{k}\left(z_{j}\right)\right)\right)$.

Bargains between the activists supporting candidate $j$ then gives a contract set of activist support for candidate $j$, and this contract set can be used formally to determine the balance locus, or set of optimal positions for each candidate. This balance locus can then be used to analyze the pre-election contracts between each candidate and the family of activist support groups. Below we define the balance condition, and argue that suggests that the aggregate activist gradients for each of the two candidates point into opposite quadrants of the policy space.

Consider now the situation where these contracts have been agreed, and each candidate is committed to a set of feasible contracts as outlined in Grossman and Helpman (1996). Suppose further that the activists have provided their resources. Then at the time of the election the effect of this support is incorporated into the empirical estimates of the various exogenous, socio-demographic and trait valences.

[^0]Consequently, when we estimate these valences we also estimate the aggregate activist influence. The estimated positions of the candidates can then be regarded as incorporating policy preferences of the activists.

Electoral models where candidates have policy positions, as proposed by Wittman (1977), Calvert (1985), Duggan and Fey (2005), and Duggan (2006) implicitly assume that candidates would be willing to accept defeat because of an adherence to particular policy positions. We argue that it is more plausible that the estimated positions of the candidates are the result of maximizing candidate utility functions that balance the electoral consequences of position-taking with the necessity of obtaining activist resources to contest the election. This calculation requires an estimate of the degree to which these resources will influence the perceptions that the electorate has of the various valences associated with the model.
A recent literature on elections has focused on the effects of campaign expenditure on US election results. ${ }^{35}$ Herrera et al. (2008) suggest that electoral volatility forces candidates to spend more, while Ashworth and Bueno de Mesquita (2009) suppose that candidates buy valence so as to increase their election chances. Meirowitz (2008) notes that "candidates and parties spending this money thought that it would influence the election outcome. Downsian models of competition cannot explain how candidates choose spending campaign levels or what factors influence these decision." Meirowitz proxies the choice of expenditure in terms of candidate choice of effort, but his model does not explicitly deal with an endogenous budget constraint.

To apply the above model, suppose there are two dimensions of policy, one economic, and one social. These can be found by factor analysis of survey data as indicated above.

As Fig. 5 indicates, we can represent the conflicting interests or bargains between the two activist groups of supporters for the Republican Party, located at $R$ and $C$, by a "contract curve." This represents the set of policies that these two groups would prefer their candidate to adopt. It can be shown that this contract curve is a catenary whose curvature is determined by the eccentricity of the utility functions of the activist groups. We call this the Republican contract curve. The Democrat activist groups may be described by a similar contract curve. (This is the simplest case with just two activist groups for each candidate. This idea can be generalized to many activist groups.)

The first order condition for the candidate positions $\left(z_{d e m}^{*}, z_{\text {rep }}^{*}\right)$ to be a Nash equilibrium in the vote share maximizing game is that the party positions satisfy a balance equation. This means that, for each party, $j=$ dem or rep, there is a weighted electoral mean for party $j$, given by the expression

$$
z_{j}^{e l}=\sum_{i} \varpi_{i j} x_{i}
$$

[^1]

Fig. 5 Optimal Republican position

This is determined by the set of voter preferred points $\left\{x_{i}\right\}$. The coefficients $\left\{\varpi_{i j}\right\}$ for candidate $j$ will depend on the position of the other candidate, $k$. The balance equation for each $j$ is then given by:

$$
\left[z_{j}^{e l}-z_{j}^{*}\right]+\frac{1}{2 \beta}\left[\left.\frac{d \mu_{j}}{d z_{j}}\right|_{z}\right]=0 .
$$

Here we call $\left[z_{j}^{e l}-z_{j}^{*}\right]$ the electoral gradient for party $j$, since in the absence of activist resources, the equilibrium condition would be given by the condition

$$
\left[z_{j}^{e l}-z_{j}^{*}\right]=0 .
$$

The second term in this expression is called the activist gradient for party $j$. We suggest that this first order condition will guarantee that the vector $\mathbf{z}^{*}=\left(z_{d e m}^{*}, z_{r e p}^{*}\right)$ will then be a pure strategy Nash equilibrium of the vote maximizing political contest.

In the model for the 2008 election given in Table 5, we used a simulation procedure and found that the equilibrium for the model (4) in Table 5 was given by the vector

$$
\mathbf{z}^{e l}=\left[\begin{array}{ccc} 
& \text { McCain } & \text { Obama } \\
x & +0.13 & +0.10 \\
y & -0.12 & -0.07
\end{array}\right]
$$

However, as discussed above, and shown in Table 3, the estimated candidate positions were given by

$$
\mathbf{z}^{*}=\left[\begin{array}{ccc} 
& \text { McCain } & \text { Obama } \\
x & 0.59 & -0.22 \\
y & -0.37 & +0.75
\end{array}\right]
$$

Assuming that $\mathbf{z}^{*}$ reflects the influence of activists, then we obtain an estimate of the activist gradient of

$$
\begin{aligned}
\frac{1}{2 \beta}\left[\frac{d \mu}{d \mathbf{z}}\right] & =\mathbf{z}^{*}-\mathbf{z}^{e l} \\
& =\left[\begin{array}{ccc} 
& \text { McCain } & \text { Obama } \\
x & 0.59 & -0.22 \\
y & -0.37 & +0.75
\end{array}\right]-\left[\begin{array}{ccc}
\text { McCain } & \text { Obama } \\
x & +0.13 & +0.10 \\
y & -0.12 & -0.07
\end{array}\right] \\
& =\left[\begin{array}{ccc} 
& \text { McCain } & \text { Obama } \\
x & +0.46 & -0.32 \\
y & -0.25 & +0.82
\end{array}\right] .
\end{aligned}
$$

The activist mean positions are

$$
\mathbf{z}^{a c t}=\left[\begin{array}{ccc} 
& \operatorname{Rep} & \text { Dem } \\
x & 1.41 & -0.20 \\
y & -0.82 & +1.14
\end{array}\right] .
$$

This suggests that activists pull Republican candidates to the lower right quadrant of the policy space, while Democrat activists pull the Democrat candidate to the upper left of the policy space.

Similar conclusions can be made about Congressional elections. In the following sections we discuss the conflicts that ensue between a Democratic President and Congress.

## 4 Post 2008 Election

Despite Democratic majorities in both houses of Congress the precise policy outcomes from President Obama's administration were still initially dependent on the degree to which Republicans in the Senate blocked Democratic policies through the use of the filibuster. Early in his administration some of Obama's policy initiatives successfully passed through Congress but only after navigating Republican opposition in the Senate. For example, on January 15, 2009, the Senate voted 52 against
and 42 in support of Obama's economic recovery program. On February 6, 2009 an agreement was reached in the Senate to reduce the size of the stimulus bill to $\$ 780$ billion, in return for the support of three Republican senators. On February 9 the Senate did indeed vote by the required majority of 61 to halt discussion of the stimulus bill, thus blocking a filibuster. A compromise bill of $\$ 787$ billion, including some tax cuts, was agreed upon by both the House and Senate within a few days; the bill passed the House with 245 Democrats voting in favor and 183 Republicans voting against while the Senate passed it with just 60 votes. The bill was immediately signed by President Obama.

As Obama commented afterwards:
Now I have to say that given that [the Republicans] were running the show for a pretty long time prior to me getting there, and that their theory was tested pretty thoroughly and its landed us in the situation where we've got over a trillion dollars' worth of debt and the biggest economic crisis since the Great Depression, I think I have a better argument in terms of economic thinking.

On February 26, 2009 Obama proposed a 10 year budget that revised the priorities of the past, with an estimated budget deficit for 2009 at $\$ 1.75$ trillion (over $12 \%$ of GDP). It included promises to address global warming and to reverse the trend of growing inequality. The $\$ 3.6$ trillion Federal budget proposal passed the House on April 2, 2009 by 233 to 196, with even "blue dog" conservative Democrats supporting it, but no Republicans.

Obama's social policies even received a modicum of success; on January 22, 2009 a bill against pay discrimination passed the Senate 61 to 36. The House also gave final approval on February 4, by a vote of 290 to 135, to a bill extending health insurance to millions of low-income children. Forty Republicans voted for the bill, and 2 Democrats voted against it. When the bill was signed by President Obama, it was seen as the first of many steps to guarantee health coverage for all Americans but it was not clear that the battle over broader healthcare legislation would take most of 2009.

Obama gained another important victory when the Senate confirmed Sonia Sotomayor as Supreme Court Justice on August 6, 2009, by a vote of 68 to 31. She is the first Hispanic and the third woman to serve on the Court. Similarly, Obama nominated another woman, Elena Kagan, to the high court and she was confirmed almost exactly one year after Sotomayor on August 7, 2010 by a vote of 63 to 37. Though adding two left-leaning female justices to the court has increased the number of women on the Supreme Court to an all time high of 3, it has not fundamentally changed the ideological makeup of the current court which still regularly splits 5 to 4 in favor of more right-leaning rulings.

In October, 2009, one group identifying as populist Republicans, the "Tea Party" activists opposed Obama's policies on health care so much that they began lining up against the centrist Governor Charlie Crist in the GOP Senate primary. Ultimately, Crist was forced to become an Independent and a Tea Party darling, Marco Rubio, was nominated as the GOP candidate for the Florida Senate seat (and ultimately won the seat, beating Crist handily). Similarly, on November 1, 2009 the centrist

Republican candidate, Dede Scozzafava, decided to drop out of the special election in New York's 23rd congressional district and endorse the Democrat candidate, Bill Owens. Owens won the election in a district that had been Republican since 1872.

As the Healthcare debate heated up over summer and fall of 2009 it became clear that Republicans were intending to continue utilize their blocking coalition as long as possible to stymie Obama and the Democrats. Interestingly, some Democrats contributed to this opposition as well; in the health bill vote in the House in early November 2009, 219 Democrats with 1 Republican voted for the bill, while 176 Republicans and 39 "Blue Dog" Democrats voted against. ${ }^{36}$ By December 19, Senator Bernie Sanders of Vermont, an independent who caucuses with the Democrats, as well as Democrat Senators Ben Nelson and Sherrod Brown, had agreed to a compromise bill. This brought the size of the coalition to the critical size of 60 votes, sufficient to force a decision in the Senate. ${ }^{37}$ Finally on Christmas Eve, 2009, the health bill passed in the Senate, again by 60 votes with 39 Republicans opposed. However, the victory by Republican Scott Brown in the special Senate election in Massachusetts on January 19 deprived the Democrats of the 60 seat majority required to push through the legislation. On February 25, 2010, an attempt to reach a bipartisan compromise failed, and there was talk of using a manoeuvre known as "reconciliation" to force though a health bill using simple majority rule. ${ }^{38}$ Finally, on March 25, after strenuous efforts by President Obama and House speaker, Nancy Pelosi, the House voted 220-207 to send a health care bill to the President. Republicans voted unanimously against the legislation, joined by 33 dissident Democrats. The Senate passed the bill by simple majority of 56 to 43 , as required under reconciliation and the President signed a draft of the bill, the "Patient Protection and Affordable Care Act," on March 23, 2010 and an updated version of the bill on March 30, 2010. ${ }^{39}$

While it seemed that "gridlock" ensued over the health care legislation, several other major pieces of legislation passed with far less opposition. On February 22, 2010 and again on March 17, 2010 the Senate voted 62-30 and 68-29 respectively to implement two multi-billion-dollar "jobs creation" programs. Even though the vote to end debate on the Financial Regulation bill failed to obtain the required supra-majority on May 19, 2010, it eventually passed the Senate. On July 15, 2010 the Senate voted 60-39 for the Dodd-Frank Wall Street Reform and Consumer Protection Act, and this was signed into law by President Obama on July 21.

[^2]Nearing the end of the 111th Congress in November, 2010, there remained four major bills to put through Congress: A Deficit Reduction Act, an Expanded Trade and Export Act, a Comprehensive Immigration Act, and an Energy Independence and Climate Change Act. Despite passage by the House on June 26, 2009, the Waxman-Markey climate change bill, formally called the American Clean Energy and Security Act (ACES), never reached action in the Senate. On July 22, 2010, the effort to push forward with the Climate Change Act collapsed due to Republican opposition to a carbon tax. A major problem also remained with regard to the Bush tax cuts of 2001 and 2003, which were due to expire at the end of 2010. If these bills, and the resolution of the tax cuts, were to prove impossible to enact because of Republican opposition, the electorate could blame either party or simply oppose any incumbent due to their lack of efficacy at passing legislation.

Given these uncertainties surrounding policy choices in the legislature, it is hardly surprising that voters in the United States doubt that government can be effective. Part of the problem would appear to be the degree of political polarization that results from the power of interest groups located in the opposed quadrants of the policy space.

### 4.1 Impact of the ‘Citizens United’ Decision in 2010

As a result of the Supreme Court decision, Citizens United v. Federal Election Commission, on January 21, 2010, which removed limits on campaign contributions, it is clear that the importance of activist contributions will only increase. In the November, 2010 mid-term election large amounts of money were funneled through nonprofit advocacy groups that can accept unlimited donations and are not required to disclose their donors. As of November 1, 2010, it was estimated that these groups had spent $\$ 280$ million, $60 \%$ from undisclosed donors. Three "super PAC" Republican activist groups, the US Chamber of Commerce, American Crossroads and the American Action Committee had spent $\$ 32.8$ million, $\$ 26.6$ million and $\$ 17$ million respectively. ${ }^{40}$

In his State of the Union address in late January, President Obama said the court had "reversed a century of law that I believe will open the floodgates for special interests-including foreign corporations-to spend without limit in our elections." ${ }^{41}$ Dworkin (2006) later called the Supreme Court decision "an unprincipled political act with terrible consequences for the nation."

In July, 2010, the Federal Election Commission had approved the creation of two "independent" campaign committees, one each from the left and right, expressly designed to take advantage of the lack of spending limits. One committee was set

[^3]up by the Club for Growth, the conservative advocate for low taxes and less government. The other, called Commonsense Ten, with close ties to the Democrats, will raise money from individuals, corporations and unions. Both groups will be able to spend unlimited amounts, thanks to the Citizens United decision. A Democrat effort to impose new campaign finance regulations before the November congressional election was defeated on July 27 when all 41 Senate Republicans blocked a vote on a bill that would force special interest groups to disclose their donors when purchasing political advertisements. A second attempt at cloture on the bill failed by 59 to 39 in the Senate on September 23.

Former Bush advisors, Karl Rove and Ed Gillespie, first formed American Crossroads as a 527 independent-expenditure-only committee, but was required to disclose donors. They then formed Crossroads Grassroots Policy Strategies (GPS) as a 501(c)(4) social welfare nonprofit. This means it does not need to disclose donors, but is not supposed to be used for political purposes. GPS spent $\$ 17$ million. The Chamber of Commerce is a 501 (c)(6) nonprofit, but corporations that donate to the Chamber must disclose these contributions in their tax filings. These corporations include Dow Chemical, Goldman Sachs, Prudential Financial. The most highly publicized was a singular donation in excess of $\$ 1$ million from Rupert Murdoch's News Corporation.

In addition to the external activist groups, South Carolina Senator, Jim DeMint, used the Senate Conservatives Fund as a PAC to funnel about $\$ 1$ million to many of the most right-wing of the Tea Party candidates. Indeed, a key element of the successful Republican campaign was that these activist bodies were able to target House and Senate races where incumbent Democrats were weak.

In the 2010 election cycle total campaign spending was about $\$ 4$ billion, with Republican spending somewhat higher than total Democrat spending. The extremely high level of expenditure (especially for a midterm election) is of particular interest because there is evidence that the policy positions of activists on the social axis have become more polarized over the last forty years (Layman et al. 2010). This polarization appears to have benefited the wealthy in society and may well account for the increase the inequality in income and wealth distribution that has occurred (Hacker and Pierson 2006, 2010; Pierson and Skocpol 2007; Reich 2010).

## 5 Implications of the 2010 Election

In the midterm elections the electorate blamed incumbents, particularly Democrats, for their economic woes. In November, 2010, the Democrats lost 63 seats in the House, leading to a Republican majority of 242 to 192. In the Senate the Democrats lost 6 seats but retained a majority of 51 to 46 (with 3 Independents). ${ }^{42}$ Many of

[^4]the newly elected members of Congress received the backing of the Tea Party and vocally subscribed to extreme policy stances like abolishing the Federal Reserve, unemployment benefits, and even income taxes. Further, preliminary demographic studies of the Tea Party indicate that they are predominantly older, middle class suburban and rural white Americans. ${ }^{43}$ This demographic make-up leads one to postulate that the Tea Party is a representation of a populist movement supported primarily by elites in the South and West. Although tea party supporters are opposed to deficit spending, they generally are supportive of social security and medicare, and want to reduce the deficit by cutting other programs. Perhaps most striking about the Tea Party is the immediate impact they had on Congress itself with the Republican House leadership creating a special leadership post for a Representative from the Tea Party wing.

Because of the plurality nature of the US electoral system, parties have to build a winning coalition of mobilized disaffected activists and current party activists Many of the Tea Party activists see themselves as conservative independents that are opposed to big business. This is despite the fact that large corporations and wealthy individuals heavily funded many of the Tea Party candidates campaigns. Even before the 112th Congress entered session the Republican Party stood up for the wealthy benefactors by insisting on blocking all legislation during the lame duck session until the wealthiest two percent of Americans received the same extension on their tax cuts that the other 98 percent were set to receive. This Republican measure included blocking discussion on repealing the "Don't Ask, Don't Tell" legislation, immigration reform legislation, a nuclear arms treaty and even legislation allocating funds to provide healthcare to September 11, 2001 first responders.

In an effort to close his career with parting advice about compromise, retiring Connecticut Senator Chris Dodd gave his valedictory speech on the Senate floor on November 30, 2010 with remarks including the following:

From the moment of our founding, America has been engaged in an eternal and often pitched partisan debate. That's no weakness. In fact, it is at the core of our strength as a democracy, and success as a nation. Political bipartisanship is a goal, not a process. You don't begin the debate with bipartisanshipyou arrive there. And you can do so only when determined partisans create consensus-and thus bipartisanship. In the end, the difference between a partisan brawl and a passionate, but ultimately productive, debate rests on the personal relationships between Senators.
Another elder statesman in the Senate, Indiana's Richard Lugar, clearly felt the same way as Senator Dodd after the 2010 election as he defied the Republican Party over their various demands. Senator Lugar has said that the environment in Washington was the most polarized he had seen since joining the Senate in 1977. John C. Danforth, the former Republican senator from Missouri, remarked that

[^5]If Dick Lugar, having served five terms in the US Senate and being the most respected person in the Senate and the leading authority on foreign policy, is seriously challenged by anybody in the Republican Party, we have gone so far overboard that we are beyond redemption.

In May of 2012 Senator Lugar lost a primary election to Tea Party candidate Richard Mourdock. Lugar was the first six-term Senator to lose a primarly election in 60 years.

Despite increased polarization, President Obama continued to press for any legislative accomplishment within reach, he eventually struck a deal to allow the tax cuts to be extended for all Americans (in exchange for an extension of unemployment benefits) despite the fact that even the most positive economic forecasts do not predict that these tax cuts to the wealthy will bring unemployment down by more than 0.1 percent over the two year lifespan of the tax cut extension. This compromise angered many in the liberal wings of Democratic Party as they saw compromise as a betrayal of President Obama's progressive values. In the wake of persistent attack by several prominent liberal Democrats, Obama invited former President Bill Clinton to give a White House press conference in support of the compromise. Involving the former President in this way can be seen as either an act of desperation or an attempt by the administration to harken back to the 1990's (or earlier) when compromise was an acceptable political tactic. ${ }^{44}$

On Monday December 13, 2010 the Republican bargaining ploy worked. The Senate voted to halt debate on the tax cut bill. Other provisions of the $\$ 858$ billion bill would extend unemployment insurance benefits and grant tax breaks for schoolteachers, mass transit commuting expenses and landowners who invest in conservation techniques. The compromise bill overwhelmingly passed the Senate on December 15 by a vote of 81 to 19. Despite accusations by House Speaker, Nancy Pelosi, that Republicans were forcing Democrats "to pay a king's ransom in order to help the middle class" at midnight on December 16 the measure passed with 139 Democrats and 138 Republicans in favor and 112 Democrats and 36 Republicans opposed. President Obama signed the bill into law the next day.

After this initial compromise was struck, the logjam seemed to have broken as Congress began debate on repealing "Don't Ask, Don't Tell," on the passage of the nuclear arms treaty, and on temporary measures to continue funding the federal government into 2011. This step toward compromise and productivity irked Senators Jon Kyl (Republican from Arizona) and Jim DeMint (Republican from South Carolina) who criticized Majority Leader Harry Reid (Democrat from Nevada) for "disrespecting" the institution and the Christmas holiday by putting so much work on the Congressional docket that Senators might need to return to work during the week between Christmas and New Year. These statements by Senators Kyl and DeMint provide a stark reminder of the roadblocks to compromise in activist driven politics. House and Senate Republicans derailed a $\$ 1.2$ trillion spending measure put forward by Senate Democrats, and promised to use their majority in the new House to

[^6]shrink government. On December 21 Congress did approve a temporary spending bill up until March 2011.

On December 18, the "Dream Act" to allow illegal immigrant students to become citizens failed on a Senate vote of 55-41, but the Senate did vote 65 to 31 to repeal the "Don't Ask, Don't Tell" legislation, making it possible for gays to serve openly in the military. The House had previously approved this repeal by 250 to 175 .

On December 20, the Senate voted 59 to 37 to reject an amendment to the new arms control treaty, New Start, with Russia. The amendment would have killed the treaty because any change to the text would have required the United States and Russia to renegotiate the treaty. Two days later the Senate voted 71 to 26 for the treaty. This treaty was seen as the most tangible foreign policy achievement of President Obama's administration. Thirteen Republicans joined a unanimous Democratic caucus to vote in favor, exceeding the two-thirds majority required by the Constitution.

As Obama said:
I think it's fair to say that this has been the most productive post-election period we've had in decades, and it comes on the heels of the most productive two years that we've had in generations. If there's any lesson to draw from these past few weeks, it's that we are not doomed to endless gridlock. We've shown in the wake of the November elections that we have the capacity not only to make progress, but to make progress together.
However, the Democrats in Congress increasingly represent the richest and the poorest constituencies, while the Republican Party is no longer the party of the wealthy but of the disillusioned middle class and the ultra-wealthy. Given the results of the 2010 elections, it is no surprise that a highly divided Congress and increasingly activist driven politics has resulted in escalating partisan conflict in the run up to the 2012 election.

### 5.1 Gridlock in the 112th Congress

One of the first moves by the House in the 112th Congress was to vote, on January 19, 2011, to repeal the Health Care Bill by a margin of 245 to 189 . However, this repeal was not be able to pass the Democrat majority in the Senate and would obviously not be signed by President Obama.

In early April, 2011 a shutdown of the government was only just averted by a compromise that cut the budget by $\$ 38$ billion. After much wrangling, the House passed legislation on April 14, to finance the federal government for the rest of the fiscal year. The final House vote was 260 to 167, with 59 members of the House Republican majority and more than half the Democratic minority voting against the legislation. The bill also passed the Senate, 81 to 19, again with many Republicans opposed. On April 15, the House voted 235 to 193 to approve the fiscal blueprint for 2012, drafted by Representative Paul D. Ryan, Republican of Wisconsin and chairman of the Budget Committee. The blueprint proposed a cut in expenditure of $\$ 5.8$ trillion over the next decade.


[^0]:    ${ }^{34} \mathrm{~A}$ Nash equilibrium is a vector of candidate positions so that no candidate has a unilateral incentive to deviate so as to increase vote share.

[^1]:    ${ }^{35}$ See Coate (2004) for example. An earlier paper by Groseclose and Snyder (1996) looked at vote buying, but in the legislature.

[^2]:    ${ }^{36}$ On Saturday, November 21, the Senate voted 60 to 40, along partisan lines, to move to the final discussion on the health care bill.
    ${ }^{37}$ Cloture is a motion aimed at bringing debate to an end. It originally required a two-thirds majority, but since 1975 has required a super-majority of 60 .
    ${ }^{38}$ Reconciliation is a measure whereby a bill can pass the Senate with a simple majority; the legislation must be shown to be budget neutral over a ten-year span in accordance with the Byrd rule.
    ${ }^{39}$ Contrary to expectations the Supreme Court upheld the constitutionality of the health care act by 5 to 4 on June 28, 2012.

[^3]:    ${ }^{40}$ The pro-Democrat America's Families First Action Committee raised $\$ 7.1$ million.
    ${ }^{41}$ Supreme Court Justice Samuel Alito, appointed by George W. Bush, broke from traditional judicial decorum at State of the Union speeches to shake his head in disagreement with the President, reportedly muttering the words "that's not true."

[^4]:    ${ }^{42}$ This was the backlash predicted by Bunch (2010). However, the Democrat losses may be due to the spending pattern. The New York Times analysis suggested that in 21 House districts where groups supporting Republican candidates spent about $\$ 2$ million, they won 12.

[^5]:    ${ }^{43}$ Skocpol and Williamson (2010) have been collecting survey and interview data on the Tea Party since its emergence and although their findings are only preliminary, all indications are that Tea Party members are a very specific demographic sub-group with traditional populist concerns. See also Rasmussen and Schoen (2010).

[^6]:    ${ }^{44}$ It is worth noting that the Founding Fathers repeatedly cited the need for compromise as one of the greatest strengths of the US political system.

