

Measuring Judicial Independence in the American States: A Latent Variable Approach

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Abstract

Judicial independence and judicial accountability are commonly understood to exist in tension with one another, and nowhere is this tension more acutely felt than in U.S. state courts. Many scholars and professionals, among them the American Bar Association, believe that the judiciary should be entirely independent from any outside influence, be it electoral, executive, or legislative. A contrary view is that judges have become too independent, and need to be reigned in by those who can affect control over them, primarily through judicial elections. The core of this disagreement lies with differing understanding of what constitutes independence and accountability. Absent clear conceptualization and measurement of these concepts, much of the normative debate over judicial independence reduces to disagreement over terms. Scholars of judicial politics commonly recognize two types of judicial independence, de jure which describes the institutional arrangements and structures of courts and constitutions, and de facto which describes what actually happens in those institutions in practice. Despite its manifest importance, there is not currently a comprehensive measure of de jure judicial independence in American or Comparative politics. In this paper I develop a measure of de jure judicial independence across jurisdictions. I use a latent-variable model to score states relative to their de jure judicial independence. This measure will be useful in future studies of judicial independence which focus on de facto judicial independence.

Introduction

According to [Ferejohn and Pasquino \(2003, 1685\)](#), an independent court “counteracts the logic of ‘winner-takes-all’ where whoever wins the election wins everything. Thanks to the mechanism of constitutional adjudication, the electoral victory is not an ‘all or nothing’ game.” How does this change when the court is selected by the majority as well? When those courts are elected alongside the representatives on partisan ballots, do they not have the same incentives for majoritarian rule as governors and state legislators?

As [Tiede \(2006\)](#) notes, judicial independence is often cited, but rarely understood. Judicial independence is often discussed as the cause for the continuity of the rule of law, or as [Ferejohn and Pasquino \(2003\)](#) note, providing a voice against what John Adams referred to as the “tyranny of the majority” ([Adams, 1794](#)).

As [Linzer and Staton \(2014, 1\)](#) note, judicial independence has been used as a key covariate in many comparative studies such as studies of regime stability, economic growth, determining how judicial independence is fomented, and most prominently protection of human rights. [Keith \(2002b\)](#) shows the relationship between judicial independence and human rights protections quite clearly. The World Economic Forum’s Global Competitiveness Report uses judicial independence as a key indicator in the first pillar of their study ([Schwab and Sala-i-Martin, 2014](#)).¹

As [Ríos-Figueroa \(2006, 9\)](#) notes, judicial independence can be a promoter of other societal benefits such as foreign investment and subsequent economic growth, and consolidation of democracy. [Hayo and Voigt \(2007\)](#) discuss some of the important factors relating

¹The Global Competitiveness Report is a perception based survey of business experts for 144 countries. Judicial independence is covered by the question “In your country, to what extent is the judiciary independent from influences of members of government, citizens, or firms?”

to *de jure* judicial independence, which they refer to as formal independence. First on that list is credibility of the government. Governments must make credible commitments to an independent judiciary in order to assure its citizens that they will respect the constitutional rights that they are guaranteed. Formal recognition of an independent judiciary is an important part of that credible commitment. Credibility is a large component of the perceptual surveys that are conducted in research on corruption and human rights.

This paper presents a new theory of *de jure* judicial independence, as well as a new measure for modeling *de jure* judicial independence in the American states. The paper will proceed as follows: the first section presents my new theory of judicial independence, the second section presents my new measurement model, the third section tests the validity of this measure against other measures, and the last section concludes with proposed applications of this measure to other research.

A Theory of *De Jure* Judicial Independence

Defining Judicial Independence

As with many latent concepts, there are widely varying definitions of judicial independence. With these varying definitions come multiple attempts to measure it in various ways. [Tiede \(2006, 131\)](#) states that “judicial independence can and should be defined as among other things the institutional arrangements designed to protect the judiciary from the executive and the public at large.” Similar to Tiede’s definition, [McNollgast \(2006, 108\)](#) define judicial independence “as an outcome that emerges from strategic interactions among the judiciary, the legislature, and the executive.” [Howard and Carey \(2004, 286\)](#)

define judicial independence as “the extent to which a court may adjudicate free from institutional controls, incentives, and impediments imposed or intimidated by force, money, or extralegal, corrupt methods by individuals or institutions outside the judiciary, whether within or outside government.” [Linzer and Staton \(2014, 4\)](#) use a slightly different definition, stating that a judge is independent “in so far as her decisions reflect her evaluation of the legal regard and in so far as those decisions are respected by government officials.”

[Ríos-Figueroa \(2006, 6\)](#) defines “judicial independence as a relationship between those who delegate, in contemporary democracies the politicians that populate the elected branches of government, and the delegates or the judges in this case.” While Ríos-Figueroa’s study was designed for a cross-national comparison, this definition is well suited for adaptation in the American context. Rather than simply being the politicians in the elected branch of government, this includes delegation from the voters to the judges through direct elections. [Ríos-Figueroa \(2006, 17\)](#) formalizes this association as follows: “a relation between an actor “A” that delegates authority to an actor “B”, where the latter is more or less independent of the former depending on how many controls A retains over B.” In the American context this can be viewed as either the voters or the governor’s control over retention of judges. While voters and governors cannot directly control the decisions that a judge makes, they do exercise considerable power over the retention of judges.

These definitions, as well as others, contribute to the widely varying definition of judicial independence. As [Linzer and Staton \(2014\)](#) note, one of the challenges in studying the latent variable of judicial independence is that researchers do not share a common conceptual definition of independence. There is some common ground to these definitions however. Most definitions of judicial independence agree that the judge should be free to

make her own decisions without regard to public opinion, or ruling party positions. They also agree that judges should not be intimidated by the public or the government towards a certain ruling.² How do judicial systems protect judges from these types of threats to their independence? To answer this question we need to further break down the definition of judicial independence.

Judicial independence takes two forms: *de jure* and *de facto* (Feld and Voigt, 2003; Ríos-Figueroa and Staton, 2014; Rosenberg, 1991). *De facto* judicial independence reflects two concepts; a judge is independent when her decisions reflect her preferences, and recognizing “that lacking financial or physical means of coercion, courts depend on the assistance of other political authorities to enforce their decisions” (Ríos-Figueroa and Staton, 2014, 4). Can a judge with a set term of office reasonably expect to remain in office no matter which way they rule on a particular case? If the answer to that question is yes, the judge enjoys *de facto* independence.

Ríos-Figueroa and Staton (2014, 3) define *de jure* judicial independence as “formal rules designed to insulate judges from undue pressure, either from outside the judiciary or within.” These are the institutional protections that allow a judge to be independent from the executive, public, legislature, or superior courts. Examples of these protections include selection and retention methods, term lengths, and docket control.

Judicial independence is a latent concept, meaning that it cannot be measured directly (Treier and Jackman, 2008, 203). However, there exist indicators that allow us to measure *de jure* judicial independence. As Ríos-Figueroa and Staton (2014, 5) note, the indicators

²As Ríos-Figueroa and Staton (2014, 4) note, parties and governments put pressure on judges during proceedings by filing *amicus curiae* briefs and other methods, however, these are perfectly legal within the system.

used to measure *de jure* independence are easily observable, however, the latent variable of independence is what is challenging to measure. The indicators that I will address here are selection method, retention method, initial term length, subsequent term length, and the amount of control over its docket that a court exercises. Using these indicators, I create a measure of *de jure* judicial independence for the American states from 1800 through 2012.

The study of judicial independence is not a new concept, it has been examined for many years. However, owing to the latency of the concept, it has proven routinely difficult to measure. However the innovation of new statistical methods has made attempting to quantify the concept easier. The difficult in lies in identifying indicators that can assist us in the measurement. To date there are no studies that focus exclusively on the American states. Many of the existing studies share a common theme in the indicators that they use to determine *de jure* judicial independence. For example, Melton and Ginsburg's (2014) study prominently feature selection and removal procedures in their study. Both Melton and Ginsburg (2014) as well as Feld and Voigt (2003), as well as many studies of *de facto* independence also use term length (La Porta et al., 2004; Feld and Voigt, 2003; Cingranelli and Richards, 2008; Apodaca, 2004).

Previous Studies

Many scholars agree that an independent judiciary is necessary for the protection of both human rights and political rights (Keith, 2002a,b; Howard and Carey, 2004; Russell and O'Brien, 2001).³ With the necessity of judicial independence not in question, we are forced to ask how judicial independence can be ensured. When examining human rights,

³For a more extensive review of judicial independence in human rights literature see (Keith, 2002b, Footnote 1).

judicial independence has often been an important concept; some form of judicial independence is incorporated in the U.S. State Department's Human Rights Scores as well as multiple variables in the POLITY IV dataset (Cingranelli and Richards, 2008; Marshall and Jaggers, 2002; Howard and Carey, 2004).

Schmidhauser (1987) develops an eleven part framework for a legal system based on neo-Weberian concepts. Some of the components of this framework are: the concept that judicial institutions are based upon constitutional rather than ordinary statutory authority, judges that are constitutionally protected with life tenure, and full establishment and acceptance of judicial review (Schmidhauser, 1987, 46-47). The American states have accepted some of these concepts but clearly not all. The American states are a mix of selection methods and tenure. Many of the other indicators used in previous study, such as constitutional interpretation, do not have any variation in the American context. All of the American state Supreme Courts have power to interpret the state constitution in the cases brought before it.

Choi, Gulati and Posner (2010) develop a theoretical model of judicial independence in the form of a principal-agent relationship. One of the key concepts of independence in this relationship is the identity of the principal. In this case, the court as a whole but also individual judges act as the agent, and the appointing authority acts as the principal. As Choi, Gulati and Posner note, Independence hinges on who is responsible for the initial appointment but also on who holds the power of reappointment. As the number of principals increases, so does the amount of those who must be satisfied in order for the judge to maintain their position. This principal-agent relationship is the basis for many of the assumptions in this model. Choi, Gulati and Posner (2010)'s choice of indicators

for judicial independence is entirely *de facto* however. Their primary indicator for judicial independence is a ratio of the number of times that a judge writes an opinion that disagrees with their co-partisans.

Ríos-Figueroa and Staton (2014) examine three measures of *de jure* judicial independence: Feld and Voigt (2003), Keith (2002a) study and La Porta et al. (2004). In addition, they evaluate Apodaca's (2004) study. Each of these studies develop a measure of *de jure* judicial independence using different indicators and different methodologies.

Table 1: Comparison of Indicators of *De Jure* Judicial Independence

Indicators	Feld and Voigt (2003)	Keith (2002a)	La Porta et al. (2004)	Ríos-Figueroa (2006)	Melton and Ginsburg (2014)
Anchored in the Constitution	X				
Amendment Difficulty	X				
Appointment Procedure	X		X	X	X
Tenure	X		X	X	X
Renewable Terms	X				
Salary Insulation	X			X	X
Pay Comparison	X				
Court Accessibility	X				
Case Allocation	X				
Constitutional Interpretation	X		X	X	
Published Decisions	X				
Four Freedoms		X			
Right to Strike		X			
Writ of Habeas Corups		X			
Public Trial		X			
Fair Trial		X			
Ban on Torture		X			
Case Law			X		
Legal Origin			X		
Number of Courts				X	
Number of Judges				X	
Budget Control				X	
Impeachment				X	X
Promotions				X	
Transfers				X	
Sanctions				X	
Statement of Judicial Independence					X

As [Ríos-Figueroa and Staton \(2014\)](#) note, there are some issues with the validity in each of these measures. One main concern is that some of these measures are not directly related to independence. The second concern is that in Ríos-Figueroa and Staton's study many of the *de jure* as well as many of the *de facto* use indicators that capture both *de jure* and *de facto* independence. [La Porta et al. 2004](#) attempt to measure *de facto* independence by using *de jure* independence as a proxy. However, this is complicated by the fact that even though the institutional arrangements that derive *de jure* independence are observable, *de jure* independence itself is still a latent concept.

[Melton and Ginsburg \(2014\)](#) create an additive index that uses six aspects of judicial independence. This model as well as that of [Feld and Voigt \(2003\)](#) and [Keith \(2002b\)](#) use an additive index. Table 1 shows previous studies of *de jure* judicial independence and the indicators that were used.

As [Linzer and Staton \(2014\)](#) show, a Bayesian IRT model can be more informative. The most important benefit of using this type of model is that there is no assumption made about the space between the cut points of each level of indicator, and between the indicators themselves ([Jackman, 2008](#); [Schnakenberg and Fariss, 2014](#)). This method provides important tools in model specification and diagnostics that are lost when using an additive model.

Take the example of selection method, when using an additive scale the difference between a partisan and non-partisan election are considered to be a one unit increase along the latent trait of judicial independence, whereas that same increase of one unit can be considered between the change from a non-partisan election to a legislative appointment. In this case there are vastly fewer people involved in the selection process between these

two, reducing the amount of campaign funds needed. The same example can be used between the levels of term length. When moving from a short term, say 1-3 years, to 4-6 years is not the same as moving from a ten year term to a lifetime or quasi-lifetime term.

Linzer and Staton (2014) create a measurement model that exclusively models *de facto* judicial independence. The measurement model created below is a divergent yet complementary addition to that created by Linzer and Staton. This model focuses exclusively on *de jure* judicial independence, but uses a similar statistical model to that of Linzer and Staton.

Indicators

As shown in Table 1 the most common indicators used previous studies of *de jure* judicial independence are appointment procedure and tenure. Each author codes these slightly different however, Feld and Voigt (2003) use an ordinal scale for term tenure, while Melton and Ginsburg (2014) use a dichotomous variable for lifetime terms. The same is true for appointment procedures. Most previous studies were cross-national and do not allow for the various forms of elections that occur under the American system.

Selection Method

The method of judicial selection is probably the most important variable in determining judicial independence. There are five primary selection methods in use in the United States: executive appointment, legislative appointment, merit selection, non-partisan election, and partisan election. Some states use a mix of these methods such as Michigan

and Ohio which use partisan primaries and non-partisan elections.⁴ Melinda Gann Hall (2007) defines two premises of judicial accountability. The first is the simple idea that citizens have accountable control over judges through the ballot box, and the second is the “willingness of challengers to enter the electoral arena and the propensity of the electorate not to give their full support to incumbents” (Hall, 2007). Under this theory, I consider executive and legislative appointments to be the most independent/least accountable of the selection methods. For the majority of states, executive appointment was the original method of appointment.

In all executive and legislative appointment states, the Governor is the final appointing authority. In all executive and legislative appointment states, judges require a confirmation vote of one or both houses of the state legislature.

The second type of selection system is the Commission System or merit selection. The commission system plan came about with the adoption of the Missouri Nonpartisan Court Plan in 1940 (Watson and Downing, 1969). This system was created with the goal of removing partisanship in judicial selection. This system created a judicial nominating commission who reviews applications and interviews candidates judicial posts. The commission consists of three lawyers selected by the Missouri Bar Association, and three citizens selected by the governor as well as the Chief Justice of the Missouri Supreme Court who serves as the chair of the commission. When a vacancy exists in the courts, the commission submits three names to the Governor who then selects one nominee which is

⁴Following normal practice in this field, these states are coded as non-partisan (Canes-Wrone, Clark and Park, 2012; Caldarone, Canes-Wrone and Clark, 2009), however Tiede (2006) does the opposite and codes them as partisan states. Nelson, Caufield, and Martin (2013) discuss this coding decision at length. In accordance with recommendations made in their article, this model will be conducted both ways and examined for differences, with theoretical justifications for both methods made clear.

confirmed by the State Senate. Once the judge has completed at least one year in office they stand for retention election. Retention elections are on separate ballots and only ask the voter to vote whether the judge should be retained. This description of the Missouri Plan is representative of the other twenty states which use similar systems. There is no partisan affiliation listed on the ballot ([Watson and Downing, 1969](#)). The most substantive difference between commission systems and other systems is the attempt to remove partisanship completely. Appointment, as well as partisan elections, are both acknowledged to be partisan acts, while proponents of commission systems and non-partisan elections claim that these systems eliminate partisanship from judicial selection.

There are two types of electoral selection: partisan and non-partisan. Electoral systems are considered to be the least independent due to the number of actors involved in the selection process ([Choi, Gulati and Posner, 2010](#)). These judges are also generally forced to raise money for advertising and other campaign related expenses. Debate exists about the ethical implications of raising this money from businesses, interest groups, and litigators that may appear before these judges.⁵ Elected judges are selected by the electorate in statewide elections. [Caldarone, Canes-Wrone and Clark \(2009\)](#) puts forth the view that when electing judges, the public will elect the judges that most closely match their own personal preferences. However [Debow et al. \(2013\)](#) states that “non-partisan judicial elections do not compare favorably with partisan judicial elections” because the former inhibit the voters ability to make informed decisions.

⁵For empirical evidence of this see ([Gibson, 2008](#)).

Retention Method

Creation of retention elections were a hallmark of the merit selection plan created in Missouri. Retention elections differ from partisan and non-partisan elections in that there is only one candidate involved in the election. As Tracial V. Reid summarizes:

Judicial retention elections are intended to preserve the courts role as an impartial and detached resolver of disputes by ensuring that judges can retain their seats without engaging in the fund raising, politicking, and electioneering that characterize political elections and the political process (Reid, 1999, 68).

Retention elections simply ask voters to approve or disapprove of the judge in office. Ballots questions usually appear in the form of: “Shall each of the persons listed be retained in office as Judge of the Appellate Court, First Judicial District?”

All but the four states which have life or quasi-life terms employ some manner of retention elections. Some states use retention elections such as those listed above. Others use the same type of partisan or non-partisan election as they use for their initial selection. No state uses a commission system then requires the judge to run in a contested election.⁶ Also no states utilizes a partisan election for initial selection and then uses non-partisan elections for retention. Contested elections, whether partisan or non-partisan, are considered to be the least independent (Choi, Gulati and Posner, 2010; American Bar Associa-

⁶The exception to this is in the case of a judicial vacancy. If a judge resigns, or dies in office, states have selection mechanisms in place that can differ from the official selection system. For example, in the case of New Mexico “All judicial vacancies are filled by the governor from a list of candidates recommended by a judicial nominating commission. The appointee must then compete in a partisan election at the next general election to serve the remainder of the unexpired term” (*Judicial Selection in the States*, 2014).

tion, 2003; Canes-Wrone, Clark and Park, 2012). Judges who do not face any electoral accountability are considered the most independent in this context.

Retention elections are admittedly only a matter of degrees more or less independent than contested elections. There is still some debate on whether retention elections create a more independent judiciary. The ABA defends its position that retention elections are more independent and recommends them for all states that utilize elections to retain judges (American Bar Association, 2003). (Canes-Wrone, Clark and Park, 2012) take a divergent position and posit that judges are susceptible to losing their seats based on only one or two salient decisions and also susceptible to attacks from single-issue groups. This occurred in 2010 when three justices on the Iowa Supreme Court were ousted. These justices had voted to strike down Iowas ban on same-sex marriage. There was a prolonged campaign by single-issue groups opposed to same-sex marriage resulting in the judges removal (May, 2013).

Term Lengths

The length of a judicial term is another important factor in determining the level of judicial independence. In many commission system states seats are vacated by either promotion, retirement, or death. Replacement judges are then appointed to fill out the unexpired terms. The initial term lengths for the new judges in those states range from appointment until the next general election, or from appointment through the remainder of the full term. Subsequent term length is the length of the terms after the initial term. For most elective states this is the same as the initial term length, and for retention states, this the length

of a standard term. Term lengths for initial terms range from one year to fourteen years⁷ while subsequent terms range from six years to lifetime terms.⁸ These term lengths can be compared to U.S. House of Representatives terms which are two years, and U.S. Senate terms which are six years. The longer that a term is, the more independent choices a judge can make before being held accountable prior to an election. According to [Ríos-Figueroa \(2006, 31\)](#) “terms must be long enough to reduce the vulnerability of Supreme Court judges. Tenure need not be for life, but if it coincides with that of appointing authorities then there is the potential for abuse.”⁹ As Hall and others show, most of strategic voting of judges is done in the year prior to an election ([Hall, 1985](#); [Brace and Boyea, 2008](#); [Canes-Wrone, Clark and Park, 2012](#)).

There are several arguments for the inclusion of term length as an indicator of judicial independence. The ABA views the term length question as a matter of experience in that lawyers who are experienced and qualified will be reluctant to leave successful private practices if they are forced to return to the job market after only a few years ([American Bar Association, 2003, 97](#)). The argument against longer terms is that longer terms provide less opportunity for accountability. The ABA recommends an actively enforced judicial discipline system, which will ensure accountability for systems that do not rely on re-selection stating that judges should only be removed for “cause” ([American Bar Association, 2003, 103](#)).¹⁰ The low level of judicial turnover disputes this point of view. In 2012,

⁷While there are four states which have lifetime or quasi-lifetime (age limited terms) only New Jersey requires reappointment after an initial term.

⁸Many states also have statutory term lengths also utilize a mandatory retirement age.

⁹[Ríos-Figueroa \(2006\)](#) uses a binary coding scheme in his study, coding a term length as independent if it was longer than the appointing authority.

¹⁰This is in reference to an ethical or criminal violation, rather than a punitive punishment as the result of an opinion. The clearest example of this would be the Iowa case where judges were ousted based on an ideological view, rather than as a breach of ethics or the law.

only 6 of the judges on state supreme courts were not retained. For the years 1964-1998, there were 4,588 retention elections with only 52 judges being voted out of office ([Aspin, 2000](#)).

There are several arguments for a connection between longer term lengths and increased judicial independence as well as alternatives such as limiting judges to only a single term. A single term would obviate the need for reappointment or campaigning for their next term ([Carrington, 1998](#)). Former Presiding Judge of the Texas Court of Criminal Appeals Morris Overstreet has stated “if you don’t have to go back and face the voters, you don’t have to worry about how they’re going to retaliate or if they’re going to retaliate” ([American Bar Association, 2003](#)). This has the drawback of returning judges to private practice, which may have an effect on their decisions made while on the bench. No state currently has adopted this practice.

[Hall \(1987b\)](#)’s study of the Louisiana Supreme Court shows that when faced with electoral accountability, the judges have a tendency to avoid casting votes on unpopular issues. Hall concludes that this system “does not present the opportunity for the unfettered exercise of individual preferences” ([Hall, 1987b](#), 46). Hall also concludes that justices who perceive themselves to have views inconsistent with public opinion, and who desire to keep their jobs, may be hesitant to publish opinions which are against public opinion. Hall states that “whether voters and opponents are cognizant of the justices behavior or not, certain justices seem to fear the prospect of electoral sanction and consequently alter their behavior” ([Hall, 1987a](#), 1123). While voters knowledge of justices’ records is questionable, certainly the judges’ actions are not. As Hall shows, judges act as if voter’s will have knowledge of their records and vote strategically to minimize the electoral losses they may

suffer.

Docket Control

The ability of a court to control its own docket is another important factor in examining *de jure* independence. Docket control comes in many forms, ranging from complete discretionary control, as in the case of the U.S. Supreme Court, which can grant or deny any appellate case that it wishes to hear with few exceptions, to states such as Wyoming which have no intermediate appellate courts, and therefore has very little control over its appellate docket. There are also many states which have mandatory appeals on certain subject matter or litigants, and discretionary appeals on other types of cases. Typically, docket control is set through statutes passed by the state legislature, similar to the appellate jurisdiction of the U.S. Supreme Court, although some states have their docket discretion set through the state constitution.¹¹

The ability of a court to control its docket has multiple facets to its effect on independence. The first is that if a court has control over its docket, then the workload of the court can be reduced to only those cases that the court wishes to make a statement on, rather than hearing every case, including those on which there is already clear precedent (Maltzman, Spriggs and Wahlbeck, 2000). Also, reduced workload enables a court to spend more time on those cases that it deems important. While this may seem more related to efficiency than independence, the two are inter-connected in this case. As Squire notes, the ability to pick and choose cases allows an appellate court to craft their decisions more carefully

¹¹Death penalty cases are an exception to this general rule. In many cases death penalty appeals must be heard by the Court of Last Resort for that state, and this reduces the court's discretion in these cases. In the case of this analysis, this exception will be ignored. For states which utilize complete discretionary docket control except for death penalty cases, they will be coded as having complete discretion.

than a court which has no discretion (Squire, 2008).

The second aspect of docket control on judicial independence stems directly from the first. Not only can judges spend more time on cases under a discretionary docket, but they can pick and choose the cases that they want to issue an opinion on. As Fontana notes, this can be very important to both the influence and the legitimacy of a court (Fontana, 2011). Fontana notes that had the *Brown v. Board of Education* decision been decided ten years earlier, it might not have had the effect that it had, due to a lack of support from the President, and antipathy from southern states, and their representatives in Congress. This is supported by Rosenberg (1991) in light of the very extensive process to bring the country in to compliance with the Court's ruling in *Brown*. Had this process happened earlier, there might have been no compliance, causing both extended oppression of African-Americans in the South, as well as a severe blow to the legitimacy of the Court. Fontana refers to this as "legitimacy timing" (Fontana, 2011, 627).

Another important aspect of docket control is the effect that it has on a judge's voting preferences. Whether following a strictly legal interpretation, or an ideological preferences, a key part of judicial independence is a judge's ability to vote her preferences. Songer et al. note that when courts have discretionary control over their dockets, the judges are much more likely to follow the attitudinal model of voting preferences (Songer, Ginn and Sarver, 2003). This would lead us to believe that discretionary control allows more freedom in the preferences that judges exercise in this case. This is also supported by Melinda Gann Hall's study of the Louisiana Supreme Court. Hall finds that in discretionary cases, there is a significant number of dissents, rather than in mandatory cases, which shows much more unanimous decisions (Hall, 1985). There are several hypotheses

for this outcome, chiefly that under mandatory review, there are many more “easy” cases. That is cases which have a clear precedent and had no complex legal complications. These cases could have been successfully disposed of by the lower courts, but were required to be heard by the state supreme court.

The most important aspect of a court’s jurisdictional control comes from their independence from the executive and legislature. This is especially a concern when the government is a party to a case that the court could potentially hear. As [Ríos-Figueroa and Staton \(2014, 6\)](#) note, “Indeed, a court that offers little constraint on government can appear to be highly constraining if it chooses its cases wisely. It certainly can ensure systematic compliance, which makes inferring judicial influence from the outcomes of legal conflicts difficult.” They also posit that judicial decision making can appear to be independent if the court removes contentious cases from its docket. The example of same-sex marriage can illustrate this quite clearly. Had the Iowa Supreme Court simply chosen to uphold the lower court ruling in [*Varnum v. Brien* \(763 N.W.2d 862 Iowa 2009\)](#), they most likely could have avoided the lengthy campaign that was mounted against the retention of three justices that ultimately resulted in their dismissal.

Methodology

Data

The model uses institutional data on the courts of last resort used by the 50 states in the United States. There are 52 courts of last resort in the United States.¹² Each state has a

¹²The court of last resort for the District of Columbia is the District of Columbia Court of Appeals. As the District of Columbia is not a state and its courts fall under the federal system, it is omitted in this study.

court while Texas and Oklahoma have specialized courts for civil and criminal. In this study these court systems will be examined together as they have identical institutional arrangements.

I create two models of *de jure* judicial independence. The first uses the five indicators discussed below. This model comprises the 50 states from 1970-2012. The second model uses four indicators, omitting docket control from 1800-2012. The reason for the two different models is the lack of available data on docket control prior to 1970. The states had a variety of control over their dockets from 1970 through the present. However, between 1940 and 1970 the data is nearly non-existent due to a lack of reliable surveys of state court organizations. The post-1970 data was provided by the Bureau of Justice Statistics (BJS) and the National Center for State Courts (NCSC) (Rottman, Flango and Lockley, 1993; Rottman et al., 1998; Rottman and Strickland, 2004).

Prior to 1940, in addition to the data being non-existent, there was also much dispersion in the interpretation of docket control based on the individual states. In many of these states, even if there was an “appeal by right,” some states interpreted this as mandatory jurisdiction, while others did not. These discrepancies lead toward a more *de facto* indicator than is being addressed in this paper. With the standardized definitions used in the BJS and NCSC reports, it becomes useful to add this indicator in for a post-1970 model, but as shown below, the wider variance in selection/retention methods and term lengths, still make a study of a longer time span useful, despite the lack of jurisdictional control data.

The D.C. Superior Court is the trial court and refers all appeals to the D.C. Court of Appeals. Its judges are appointed by the President and confirmed by the Senate to fifteen year terms.

Indicators

All of the indicators are ordinal variables with 0 representing the most independent moving towards least independent. APPT is coded from 0-4, which is the appointment method that is used for a judge's initial appointment. TERM1 is coded from 0-3 and represents the length of the judge's initial term. TERM2 is coded in a similar manner as TERM1 and represents the length of the judge's subsequent terms after their first retention or reappointment. There is one major difference however, in that 0 represents those states in which the judge is initially appointed to a lifetime term¹³. In many states, these two terms are identical. These differences are primarily in merit selection states which have one to three year terms followed by a retention election and then have longer terms after the first retention election. Coding term lengths as ordinal rather than continuous, allows for consistent interpretation across the model. RETELE is coded from 0-2 and indicates the method of retention. 0 indicates a simple reappointment procedure with no election. 1 represents an uncontested retention election, most common under the merit selection system, but also used in states that utilize partisan or non-partisan election systems. 2 indicates a contested retention election, either partisan or non-partisan. DOCKET represents the amount of discretion that a court has over its docket. 0 is a completely discretionary docket, while 2 is no discretion. A 1 indicates a mix of discretionary and mandatory appeals. Table 2 shows the coding for all levels of each indicator.

I assume that the observed indicators for each state-year are functions of a unidimen-

¹³The only major time this is an issue is in New Jersey, in which judges are initially appointed to a seven year term and then reappointed to a lifetime term. However, since New Jersey is represented with a seven year term initially, this is different than if they were initially appointed to a lifetime term and therefore their subsequent term is greater than ten years.

Table 2: List of Indicators

Variable	Code
APPT	Appointment Method
0	- Gubernatorial Appointment
1	- Commission System
2	- Legislative Appointment
3	- Non-Partisan Election
4	- Partisan Election
TERM1	Initial Term Length
0	- Lifetime or Quasi-Lifetime Term
1	- ≥ 10 Years
2	- 7-9 Years
3	- 4-6 Years
4	- 1-3 Years
TERM2	Subsequent Term Length
0	- Lifetime Term
1	- ≥ 10 Years
2	- 7-9 Years
3	- 4-6 Years
4	- 1-3 Years
RETELE	Method of Retention
0	- No Retention Election
1	- Retention Election
2	- Contested Retention Election
DOCKET	Docket Control Discretion
0	- Complete Discretion
1	- Mixed Discretion
2	- Mandatory Docket

sional latent variable that represents the level of *de jure* judicial independence. For each state-year observation, let i index the state and t index the year. or each model, there are J indicators $J = 1, \dots, J$ each of which is ordinal. My goal is to estimate each θ_{it} , which is the latent level of *de jure* judicial independence of each state i in year t .

Let $i = 1, \dots, N$ index cross-sectional units and $t = 1, \dots, T$ index time periods. In each time, period, I observe values y_{ij} for each of $j = 1, \dots, J$ indicators for each unit. Each indicator is ordinal in nature and can take on K_j values. The responses to each of the items depend on a single latent variable θ_{it} , which may vary across units and over time. I assume that all indicators are independently draw from a logistic distribution.

Validation

Facial Validity

As shown with the evidence above, this measurement model uses indicators that have been shown through previous literature to indicate judicial independence. In addition, these are all indicators that are institutional in nature, rather than measuring some concept that would measure both *de facto* and *de jure* independence. Rather than measuring the amount of docket control that a court exercises, I examine the control that is constitutionally or statutorily authorized to the court.

Other Validity

Ginsburg and Melton Replication

As a further test of convergent validity, I have replicated the additive measure discussed above from [Melton and Ginsburg \(2014\)](#). [Melton and Ginsburg \(2014\)](#) gathered data from the Comparative Constitutions Project (CCP) to code indicators of *de jure* judicial independence using the text of national constitutions. I replicated their project and applied it to the American states by using the texts of state constitutions gathered from the NBER/-Maryland State Constitutions Project (SCP) ([Wallis, N.d.](#)). Of the many variables available in the CCP, [Melton and Ginsburg \(2014\)](#) used five questions to code an additive index of *de jure* judicial independence. The five questions consisted of: a statement of judicial independence, lifetime terms, selection procedures, removal procedures, removal conditions,

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and salary insulation. The questions used by CCP are available in Appendix B. This data is coded using exclusively the text of the constitutions in question, as such, my replication has followed the same procedures.

Application

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A Coding Notes

- Arkansas- In 1868, the Chief Justice was appointed by the Governor, with Senate Consent, with the Associate Justices elected by the people. This is coded as partisan election since the majority of the justices are elected.
- Connecticut- from 1784 through 1818 Judges were appointed by the Legislature, but the tenure in office was dependent upon the action of the legislature. These years are coded as missing and subsequently dropped from the dataset.
- Delaware- The original court of last resort was the Court of Appeals, and the data is coded as such. The Supreme Court was created by constitutional amendment in 1951, at which point the data is coded to reflect the Supreme Court.
- Michigan- In 1939, a constitutional amendment passed calling for non-partisan elections for judges, except the Supreme Court, which would continue to be nominated at party conventions. This is coded as a non-partisan following practice in this field.
- New Jersey- AJS Data does not reflect the Constitutional amendment in 1983, which extended subsequent terms to a term of good behavior.
- New Mexico- Judges are elected for the remainder of the unexpired term. This could be up to 8 years, so it was coded as such.
- Oklahoma is examined individually, but both courts have mandatory jurisdiction.- 2004

- Pennsylvania- From 1874 to 1968 Supreme Court justices were elected to twenty-one year terms and were not eligible for reelection. This is coded as a 0 for the subsequent term.
- Tennessee- Constitution says qualified electors, however, by executive order the governor has created a nominating commission
- Texas is examined individually, SC has discretionary jurisdiction, but COA has mandatory in sentencing issues, so this is coded as mixed.- 2004
- Retention Elections- Gubernatorial reappointment, judicial commission reappointment, legislative reappointment are coded as No Retention Elections.
- Docket Control- This is established by looking at Criminal and Civil cases. Administrative agency decisions are omitted, as well as death penalty cases.
- Docket Control- Observations between BJS reports are assumed to be static.

B Comparative Constitutions Project Variables

- Statement of Judicial Independence – **[JUDIND]** – Does the constitution contain an explicit declaration regarding the independence of the central judicial organ(s)?
- Life Term – **[SUPTERM]** – What is the maximum term length for judges for the highest ordinary court?
- Selection Procedure – **[SUPNOM,SUPAP]** – Who is involved in the nomination of judges to the highest ordinary court? and Who is involved in the approval of nominations to the highest ordinary court?
- Removal Procedures – **[JREM, JREMPRO, JREMFIRP, JREMSECP, JREMBOTP, JREMAP]** – Are there provisions for dismissing judges? and Who can propose the dismissal of judges? and Who can approve the dismissal of judges?
- Removal Conditions – **[JREMCON]** – Under what conditions can judges be dismissed?
- Salary Insulation – **JUDSAL** – Does the constitution explicitly state that judicial salaries are protected from governmental intervention?