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

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Defining Judicial Independence

Theory

"We all know what it means, yet frequently we advance arguments about 'judicial independence' without articulating precisely what it means." -Becker (1970)

Defining Judicial Independence

Theory

" Judicial independence is merely the other side of the coin from judicial accountability" - (Burbank, 2008)



The Judicial Independence Continuum

Judicial Independence Continuum

Accountable Independent



Theory

Indicators of Judicial Independence

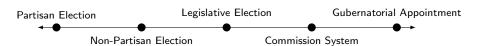
- Selection System
- Retention Election
- Term Length Inital and Subsequent
- Docket Control





Selection System

Selection Method Independence Continuum



Retention Elections

Retention Method Independence Continuum

Contested Retention Election

Retention Election

No Retention Election



Term Length

Term Length Independence Continuum



Docket Control

Docket Control Independence Continuum

Mandatory Docket Mixed Discretion Complete Discretion



Specification

- Bayesian IRT Model
- 4 or 5 Indicators

Model

Probability Distribution for a Given Response

$$P[y_{ij} = k] = F(\alpha_{jk} - \theta_{it}\beta_j) - F(\alpha_{jk-1} - \theta_{it}\beta_j)$$

Model

Model

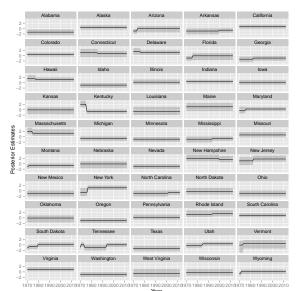
Liklihood for Logistic Distribution

$$\mathcal{L}(\beta, \alpha, \theta | y) = \prod_{i=1}^{N} \prod_{t=1}^{T} \prod_{i=1}^{J} [F(\alpha_{jy_{itj}} - \theta_{it}\beta_{j}) - F(\alpha_{jy_{itj}-1} - \theta_{it}\beta_{j})]$$

ory Indicators
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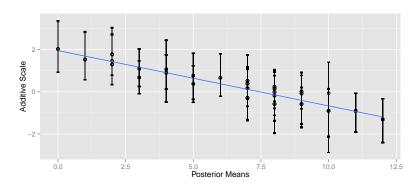
Model 000

Five Indicator Model Over Time





Five Indicator Additive Model

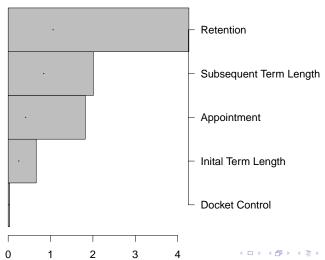


Pearson's R = -.9553

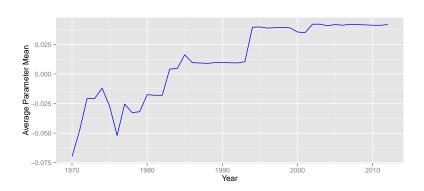


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Five Indicator Beta Discrimination



Judicial Independence Over Time

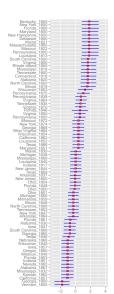


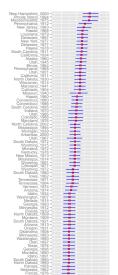


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Model 000

Regime Change Model Scores





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Indicators

Model

Convergent Validity-Ginsburg and Melton Replication

Correlation of Measures

| | Additive | IRT | Melton and Ginsburg |
|---------------------|---------------|------------|---------------------|
| Additive | _ | 95*** | -0.45^{**} |
| IRT | -0.95^{***} | _ | 0.52*** |
| Melton and Ginsburg | -0.45^{**} | 0.52*** | _ |
| Note: | *p<0.1: ** | °p<0.05: * | **p<0.01 |

Random Measures Replication

Table: Correlation of Estimates with Enns and Koch (2013)

| | Mood | 2 Dimension Mood | Posterior Estimates |
|---------------------|-------------|---------------------|---------------------|
| Mood | _ | 0.58*** | 0.40** |
| 2 Dimension Mood | 0.58*** | _ | 0.16 |
| Posterior Estimates | 0.40^{**} | 0.16 | _ |
| Additive | -0.40** | -0.15 | -0.95^{***} |
| Note: | *n/0.1· * | **n/0.05· ***n/0.01 | |

"p<0.1; ""p<0.05; """p<0.01 wote:

Questions?



Results

References References

References

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- Burbank, Stephen B. 2008. "Judicial Independence, Judicial Accountability and Interbranch Relations." *Dadalus* 137(4):16–27.
- Enns, Peter K and Julianna Koch. 2013. "Public Opinion in the US States 1956 to 2010." *State Politics & Policy Quarterly* 13(3):349–372.
- Melton, James and Tom Ginsburg. 2014. "Does De Jure Judicial Independence Really Matter?: A Reevaluation of Explanations for Judicial Independence." *Journal of Law and Courts* 2(2):187–217.