

Pivot Libre Early October Meeting

Attendees

Nicolaus Tideman, Tyler Harter, Rebecca Andresen, Keith Furman, Carl Schroedl

Notes

- 15 min - Round-robin intros and life updates
- 10 min - Usage of Pivot for Madison's Police Civilian Oversight Board nomination process
 - Wins
 - Potential Improvements
 - Share results without sharing ballots
 - Pretty emails, links
 - Head-to-head matchup table improvements
 - Greater visibility and/or consistency with random pairwise tie-breaking
 - Import ballots from file
 - [Details](#) in User Story Format
- Collaboration with Dr. Tideman
 - Collaboration opportunities
 - Must commit by November 8th, ideally sooner
- Pairwise tie-breaking rules.
 - Zavist and Tideman had a modest disagreement during the publication of the 1989 tie-ranking
 - All of them are independent of clones in Ranked Pairs
 - Review rules
 - Anointed dictator
 - Preferred by some committees
 - Random dictator, with random resolution of tied candidates (Rb, Rc)
 - Zavist preferred this
 - Completely random sequence of candidates (Ra)
 - Tideman preferred
 - Random Voter Hierarchy (Rd)
 - Keep pulling from votes until a complete ranking is formed
 - Favored by John Moser
 - Politician
 - Graduate student
 - In Baltimore
 - Door-to-door advocate for ranked pairs
 - Which ones should be ... ?

- Supported
 - All
 - But no changing after the results have been viewed
 - Only surface and use tie-breaking if the size of the Smith set is nonzero
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 - Default
 - ?
- Tideman paper -- Statistical Evaluation of Voting Rules
 - Conclusion
 - Three
 - Ranked pairs
 - Condorcet-hare
 - Instant runoff voting
- Alternative to using Ranked Pairs for multi-winner elections
 - Ranked Pairs is not independent of clones when used to elect more than one candidate
 - CPO-STV instead of Ranked Pairs to achieve proportionally representative legislatures
 - Complete pairing of outcomes by the single transferable vote
 - For selecting candidates who qualify certain criteria in addition to voter preferences
 - Factorial complexity
- Postponed Points of Discussion
 - ~~5 min Lucas updates on new domain and wordpress site~~
 - ~~15 min Incorporation~~
 - ~~15 min Next steps on the current generation of software~~
 - ~~Upgrade Laravel~~
 - ~~Upgrade Axios~~
 - ~~Features~~
 - ~~Bug fixes~~
 - ~~15 min Next generation software~~
 - ~~Are we building a polling system or a voting system?~~

	Polling	Voting
# of Voters per Election	Thousands	<100
Slightly stale rankings	Acceptable	Harmful
Consistency/Availability	Availability	Consistency
Relative Data Store Unit Cost	Lower than Voting	Higher than Polling

- ~~Hosting Paradigms~~
 - ~~Public demo service, organizations can host their own~~
 - ~~We run it as a SaaS~~
- Super early days architecture draft doc
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Action items

- **All**
 - Consider purchasing Dr. Tideman's Collective Decisions and Voting book
 - [Direct from publisher](#)
 - Coupon code: X001
 - Do **not** create a Routledge.com account; check out as a guest. Shopping Cart experience seems to be stuck in an infinite loop with no way to purchase if you register an account
 - It is necessary to create a vitalsource.com account after you have completed the transaction with Routledge.
 - [Through Amazon](#)
 - Learn about CPO-STV
 - [Wikipedia](#)
 - And possibly forthcoming resources from Dr. Tideman
- **Developers:**
 - Tie-breaking features
 - Consider disregarding tie-breaking unless Smith set is of non-zero size
 - Offer all discussed tie-breaking options to the user
 - Add to results a view of the ranking of successive smith sets
 - Improve Pivot Security posture by...
 - Upgrading Laravel Framework
 - Upgrading Axios
- **Keith**
 - send city's form for cloud service approval
 - <https://www.cityofmadison.com/employeeet/information-technology/policies-apms/new-software-request>
- **Tyler**
 - Evaluate project idea of pulling together ranked election datasets
- **Dr. Tideman**
 - Share paper Statistical Evaluation of Voting Rules
 - Share additional information about CPO-STV
- **Up-for-grabs** (Coordinate to eliminate duplication of effort):
 - Contact
 - Bernie at UC Irvine
 - Probably Bernard Grofman
 - <http://www.socsci.uci.edu/~bgrofman/>
 - Topic?

- Andrew Myers and CIVS software people at Cornell
 - <https://www.cs.cornell.edu/andru/>
 - CIVS Current generation of software:
 - <https://civs.cs.cornell.edu/>
 - Ask what status of next generation of software is (CIVITAS)
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Katherine Gehl

- <https://katherinegehl.com/>
 - Ranked Choice voting advocate - IRV
 - Has a WI 501c3 branding it as final five voting
 - <https://democracyfound.org/>
 - Milwaukee
 - Chicago
 - Authored book in collaboration with professor on IRV
- Evaluate
 - Drafting a survey disclaimer:
 - <https://www.termsfeed.com/blog/survey-disclaimer/>
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