

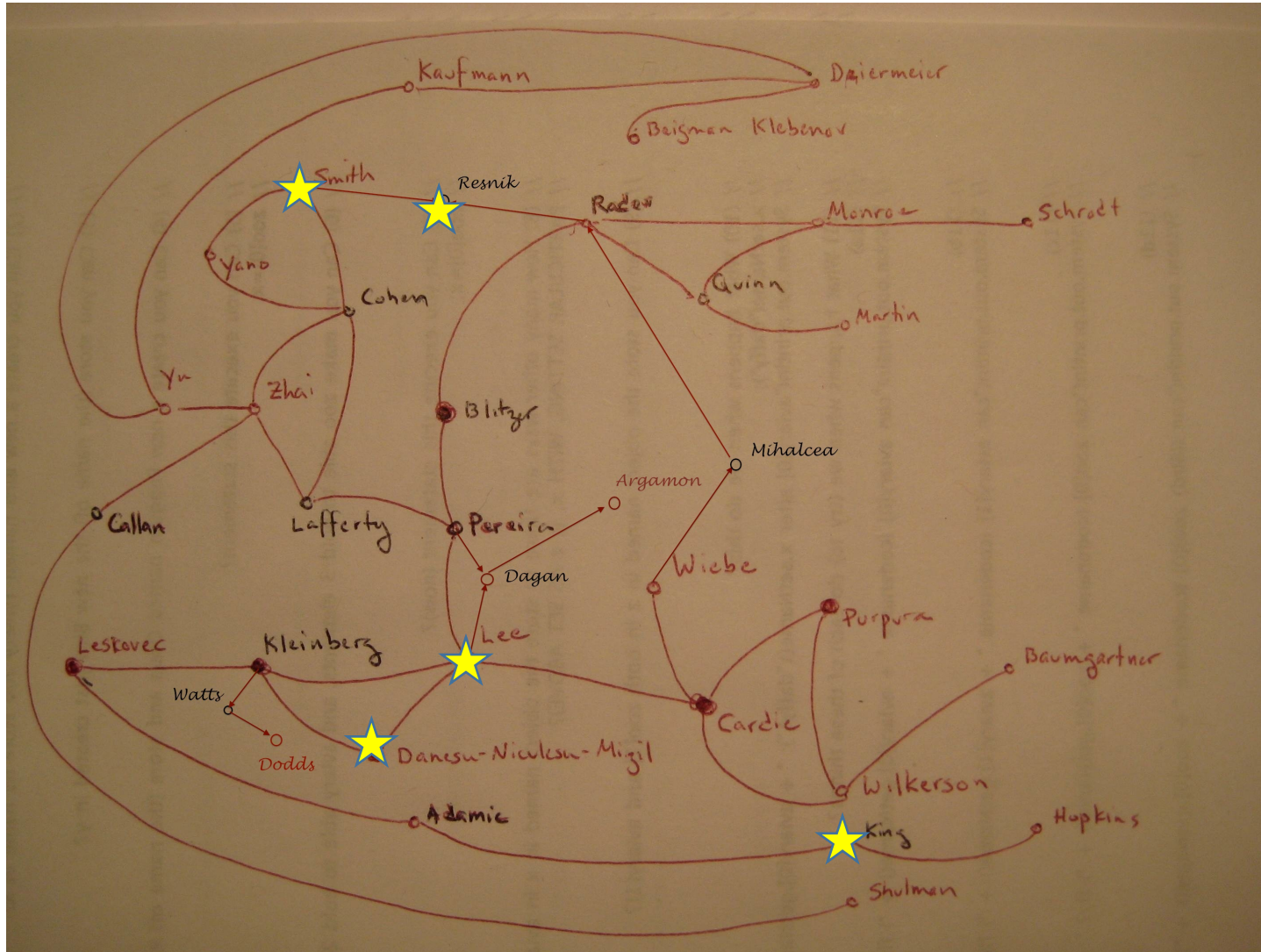
Text as Data 2016: Session 1 discussant part

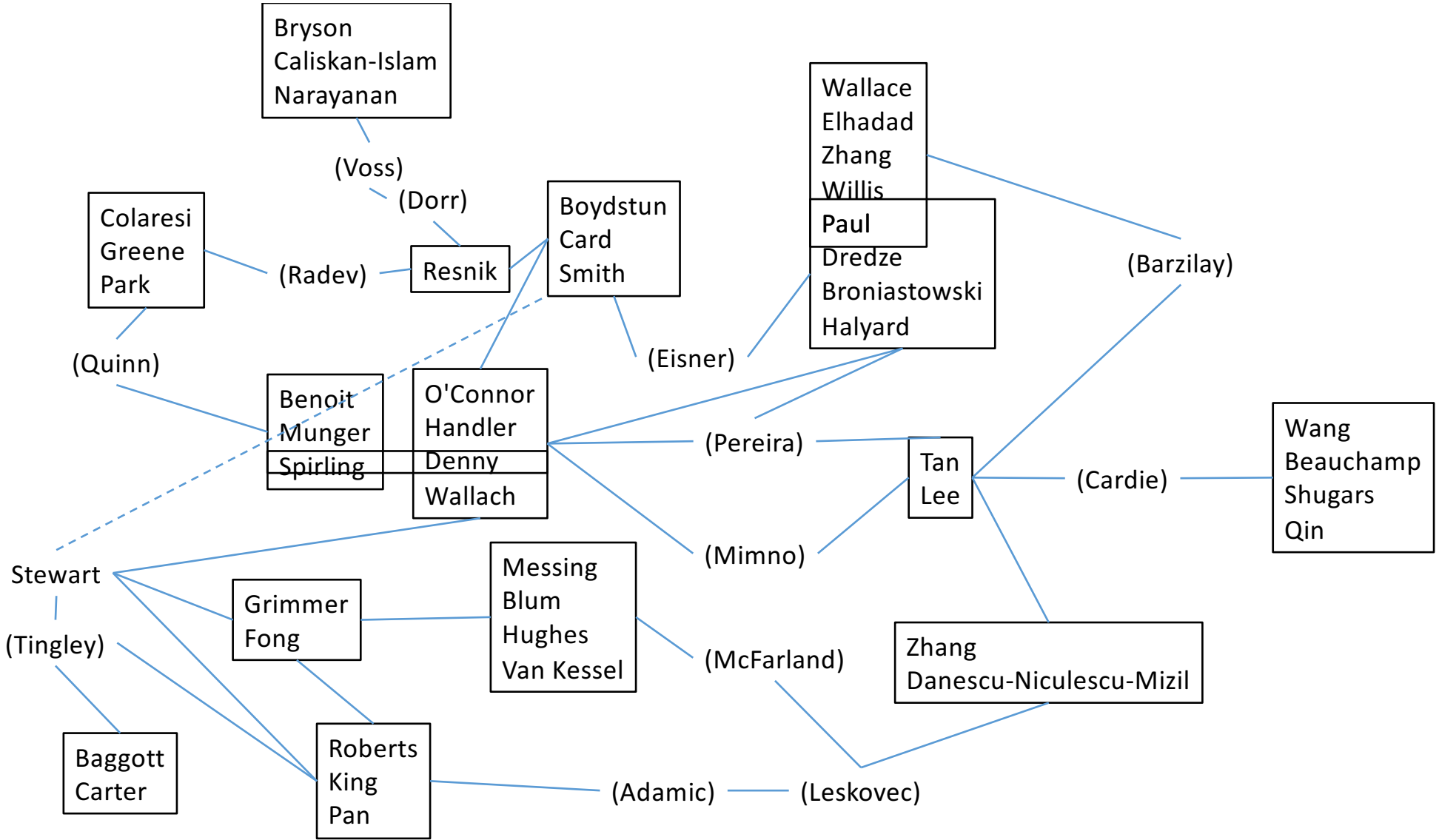
Lillian Lee

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Slide from the 2nd
Text as Data,
Northwestern 2010

★ Ken Benoit, Amber
Boydstun, and
Cheryl Schonhardt-
Bailey were there,
and others of you
were there, too!





Volume vs tone in commercial arenas: reviews

- Many studies say it's polarity, but a few emphatically find no significant effect. (See Chapter 6 of Pang and Lee sentiment book)
- Cabral and Hortacsu (2006): 41 odd cases of feedback on sellers posted on eBay: the feedback *text* was clearly positive, but the numerical *rating* was negative (presumably due to user error).
 - Analysis reveals that these reviews have a strongly significant (“both economically and statistically”) detrimental effect on sales growth rate
- Some initially unexpected text effects are occasionally reported. For example, Archak et al. (2007) found that “amazing camera”, “excellent camera”, and related phrases have a negative effect on demand.

Framing effects? Tone? ... Persuasion? The ChangeMyView subReddit

- Immigration example

Original post

CMV: the Tontine should be legalized and made a common retirement strategy.

[Reference URL omitted] Basically, today we have a huge problem with retirement [...+73 words]
A tontine for retirement looks like [...+56 words] The yearly sum is divided evenly for all the surviving participants [...+25 words]. The key advantages as I see it are:
*We don't need actuaries [...+29 words...]
*Management fees can be quite low [...+22 words]
* [Another reason]
* [Another reason]
But CMV. Are there major risks I am not foreseeing? [+2 more questions]

A tontine is a pretty crappy retirement vehicle for most people. It pays out the least when you need the most, and the most when you need the least.

People's income needs in retirement generally fall as they age.
[...+35 words]
[URL]

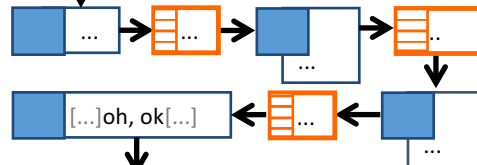
Very interesting. I'll give a Δ because I didn't have any idea that was true and changes my idea of how the tontine should work. That said, I don't think it's unsolvable [...+44 words]

[DeltaBot] Confirmed: 1 delta awarded to [red]

The Social Security system is basically one giant Tontine [...+13 words] So it's already legal.

There are some key differences though. First, Social Security is defined by the government [...+36 words]

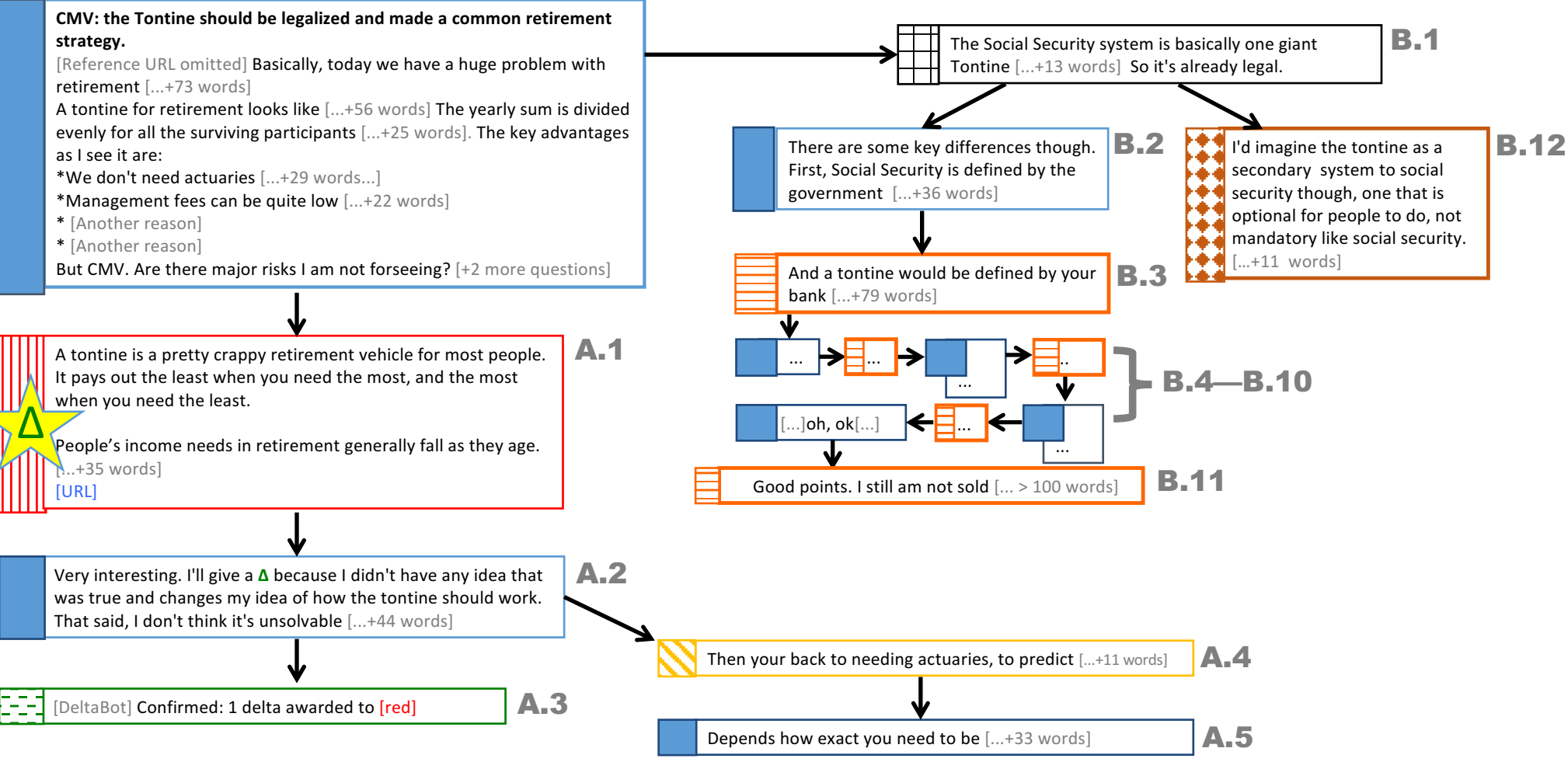
And a tontine would be defined by your bank [...+79 words]



Good points. I still am not sold [... > 100 words]

Then your back to needing actuaries, to predict [...+11 words]

Depends how exact you need to be [...+33 words]



CMV results and data

- Tan, Niculae, Danescu-Niculescu-Mizil, and Lee (WWW 2016) look at timing, interaction, and language effects
- Processed data and reproducibility notes available for you at <https://chenhaot.com/pages/changemyview.html>

Codebook changes, or "label transfer"

- Predicting ontology change, e.g., Brank, Grobelnik and Mladenic (2008).
 - Real data source: the changing Open Directory Project, <http://www.dmoz.org/>
- Alt data: Penn Treebank -> Universal Dependencies v1, 2, ...
- Simulated data could be derived by synthetically altering an existing ontology
- Could "label transfer" be an interesting generic learning problem?
 - A geometric approach (whether or not the original hierarchy was "broken")?