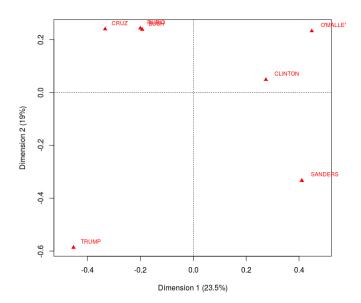
Visual Text Analysis Hackathon

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Two dimensional Correspondence Analysis



Comparison Cloud

- ► Treat words with positive, negative weights on a dimension as two documents
- ▶ Size: magnitude of difference from average rate of occurrence
- ▶ See ?comparison.cloud

Dimension One

```
timer jihad
                                              stakes
                     Republican
                                          utterly fast
postcard pipeline hispanics abolish fed
   flexibility politicians maker lied steve
    roberts socialized correctness portio arizona lie flat
                                                portion
fill deals field negotiation flexible minor sudden currencies approved dynamic waterboarding currency chapter jame
                                               flexible
afraid da audit nasty badly bid carrier
overturn gdp isil shooting sums 90s jails madam handful blunders blunders burlington isil shooting sums 90s
                   sustainable burlington II k jim
     efficiency
visiting denies poorer departments
            recklessness scientists lester roosevelt judy
                                                  lester
 cayman
 berniesanders.com perpetual deregulation nafta 1990s secreta
                                        secretary's
                       Democrat
  unemployed
                                            speculation
```

Dimension Two

knock Negative unemployed germany cayman hell berniesanders.com judge deregulation disappearing filed horrendous crumbling profitable oil secretary's decent roosevelt fuel speculation total vets destabilize overturn efficiency wealth so-called 1990s perpetual speeches waterboarding nafta shut vietnam negotiation tuition-free carl sachs handful hot denies u.k disgrace devalue currencies goldman da tpp significantly currency nasty scientists plants delay sums pouring fortune carly plants bid badly sudden quagmire e-verify hiring tracking smallest entry lay visa ayatollah apocalyptic vat fill identity aaa marcorubio.com loans carpet fed veto launch palestinians khamenei fbi isil left-wing operating direct ethanol mike mainstream blanket payroll targeted communism mandate disqualified legalization utterly grid unconstitutional law-abiding loan Positive pursue

Tools

- General R: RStudio, dplyr, magrittr
- ► Models: ca, glmnet
- Text: quanteda
- Vis: shiny, wordcloud::comparison.cloud
- Code available https://github.com/pnulty/oiicss

thank you

- ► Thank you for your attention
- ► Code available https://github.com/pnulty/oiicss