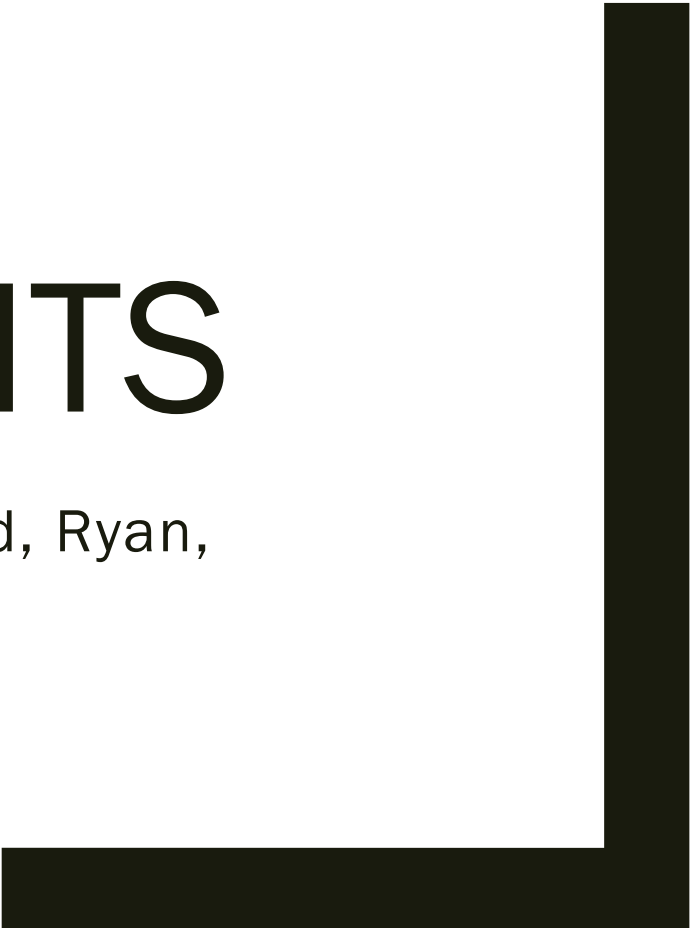




FINRA INSIGHTS

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Steven, Swapneel



Team Intro



- Know each other from the Smith Investment Fund
- Do work on implementing Quality at a Reasonable Price strategy
- All around best friends

Problem

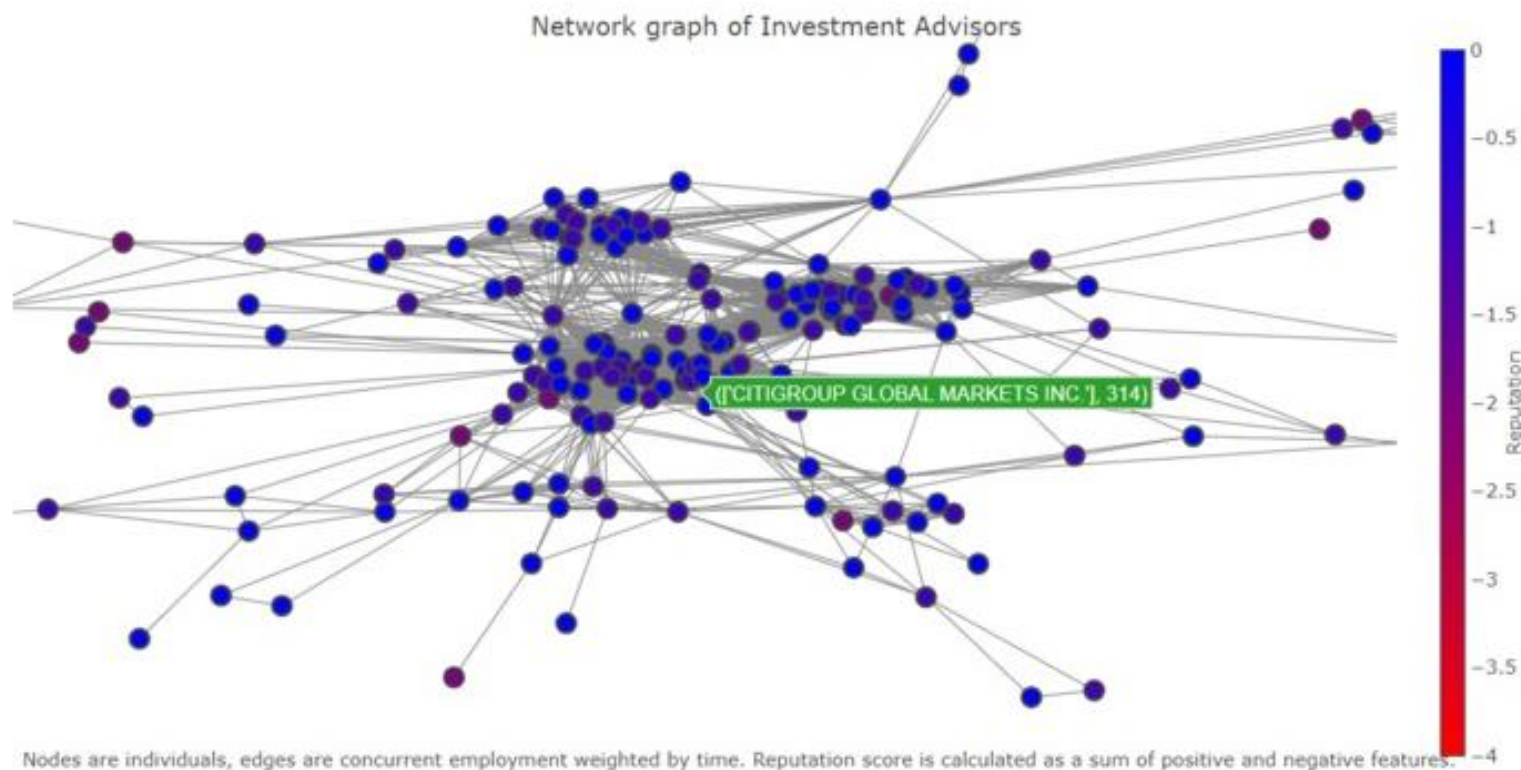
- Bigger Picture: There are Bad Actors in Business everywhere, but it can be difficult to make sense of data to pinpoint them
- FINRA's Mission Statement: "Provide investor protection and promote market integrity"

Solution

- Many people don't even check BrokerCheck or IAPD
- Create tools to help FINRA analysts better use their investigative resources to protect the public
- Explore Data Visually

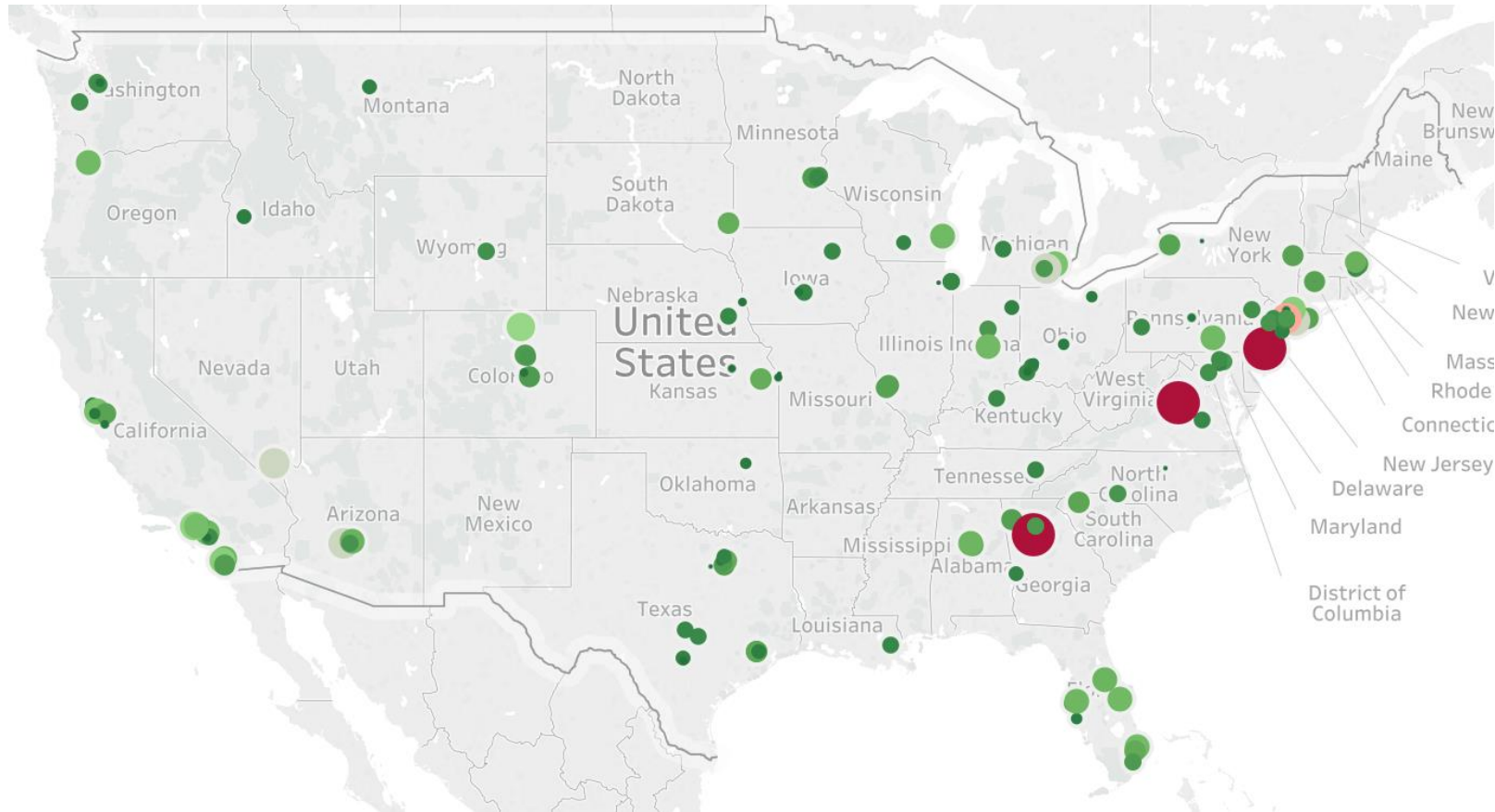
Solution 1

- *Culture of firms are created by their employees*
- *Show association between people via firm*



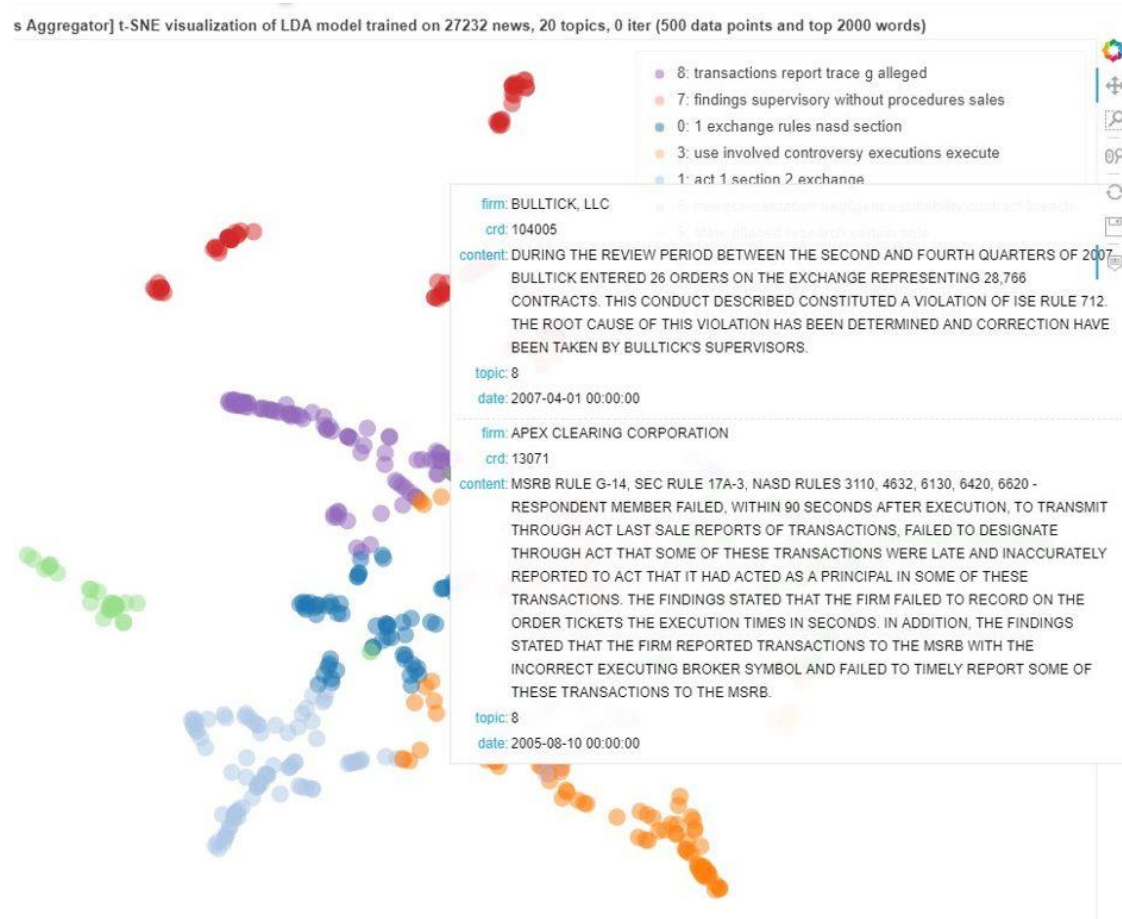
Solution 2

- *Visually see characteristics of advisers and location*



Solution 3

- *Disclosure files grouped by topical similarity*



Challenges

- XML is hard to parse
 - *Created custom solution to create .csv*
- Conclusions hard to draw
 - *E.g. hasCustComp = 'Y' – Why?*
 - *Parsed Individual BrokerCheck PDFs of Advisers*
- Data gets big very fast
 - *Created proof-of-concept with first 1,000 advisers*
- Ambitions:
 - *Track year-over-year changes with Form ADV Data*
 - *Visualize clusters by company*
 - *Simulation with all Data*
 - *Create Database from XML*