Design Thinking + Data Visualisation + Cutting Edge Technology + Global Perspective on Business and Culture

2016

ONTRACKPH

Thinking Machines

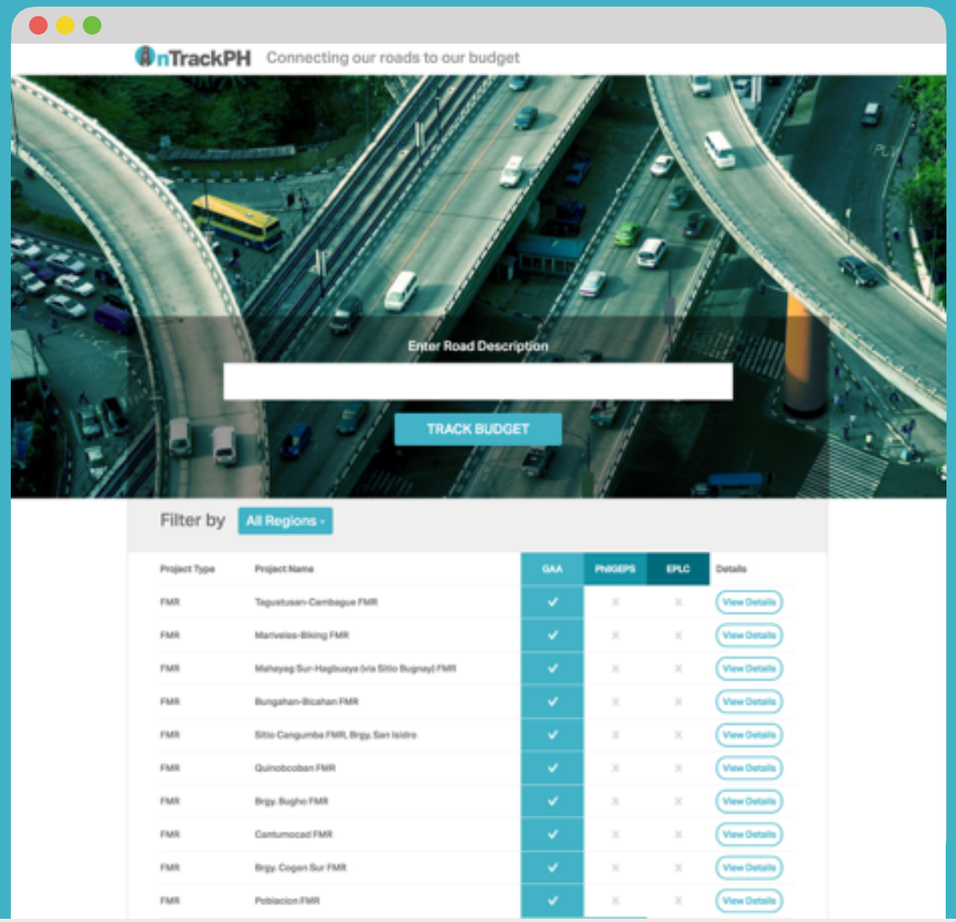
UX **Data Visualization** **Web**

A project with the World Bank for helping the Philippine government track down the budget for roads

Project Duration:
6 months / Ongoing

Project Scope:
Data Visualization
UX Testing/Interviews
Front End Web Design
and Development

A web interface was initially developed for internal use to demonstrate the complex matching algorithm designed to connect the multiple budget and procurement databases of the government. It is now being repurposed to view all the road projects to track their progress, and tested with users from the Department of Budget Management



Several animations were created in order to explain the normalization and TF-IDF algorithms to World Bank and government officials.

https://thinkingmachin.es/case-studies/ontrackph/
https://stories.thinkingmachin.es/ontrackph/

2016

PHILIPPINE ELECTION CARTOGRAM

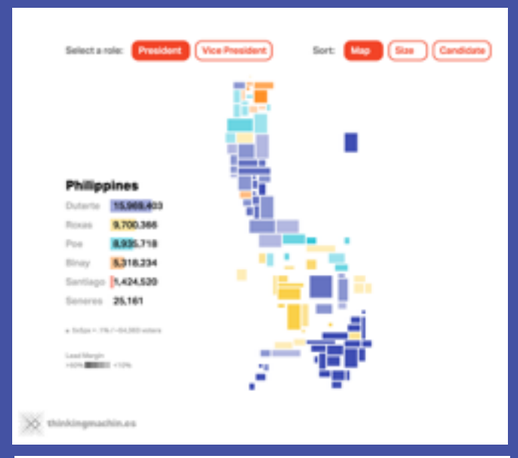
Thinking Machines

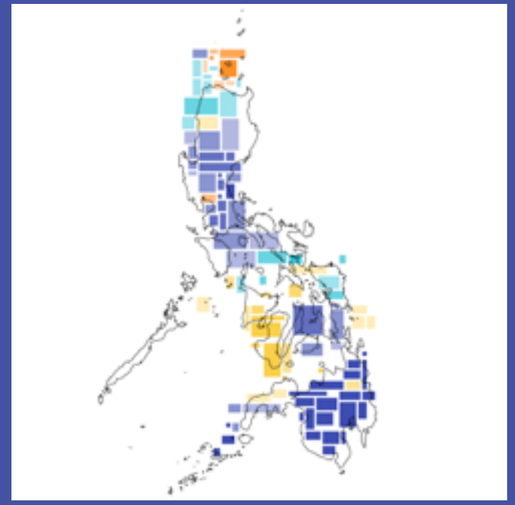
Data Visualization **D3**

A self-initiated data story for the company blog: stories.thinkingmachin.es/election2016

Project Duration:
1.5 weeks

Project Scope:
Data Analysis and Design
D3 coding
Written Article





Actual Philippine map outline overlaid with the cartogram

Maps are a very common visualization tool but don't kid yourselves, there's more than one way to draw a map.

During the recent elections, all Philippine media outlets used standard geographic maps to show the results of the 2016 presidential and vice presidential races.

In the Philippines, 10% of the population lives in Metro Manila, a tiny segment of the map. I used a Demers cartogram to fix the representation. In the interactive graphic, I include three different ways to view the data: geographic layout, sorted by size from largest to smallest, sorted by candidate.

2016

PHILIPPINE LANGUAGES

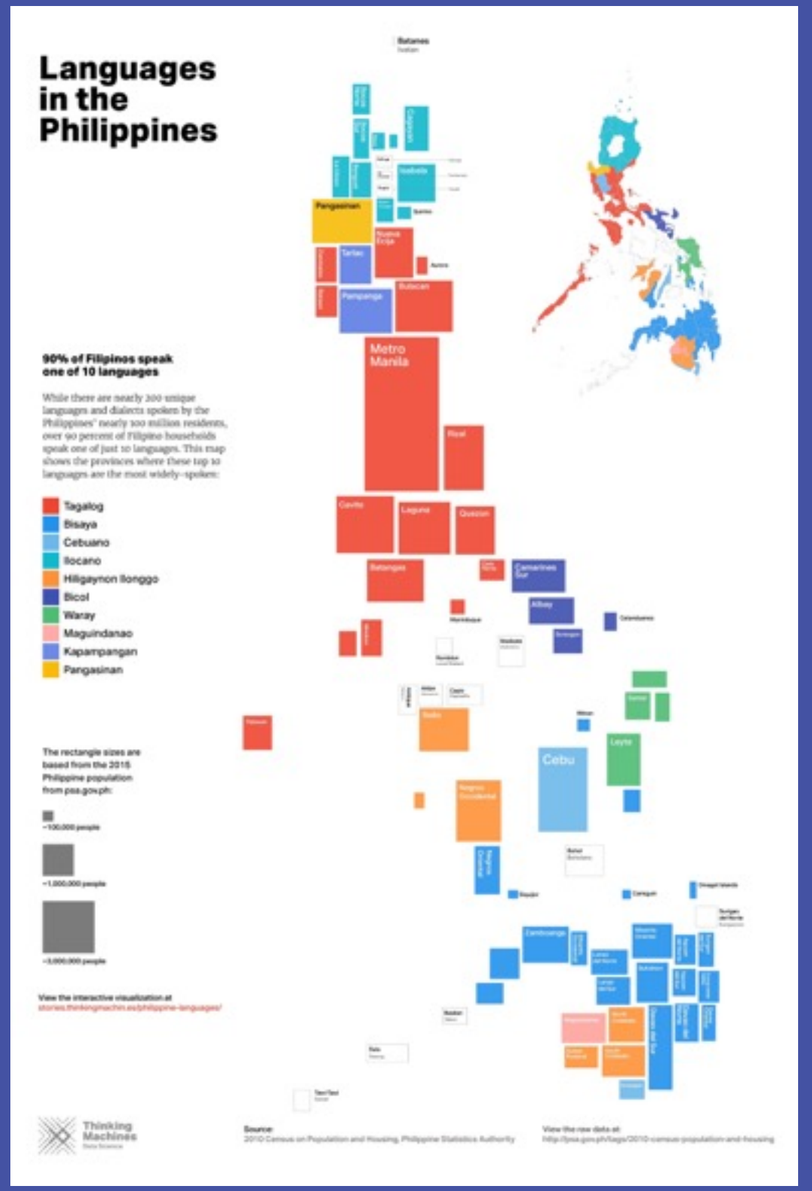
Thinking Machines

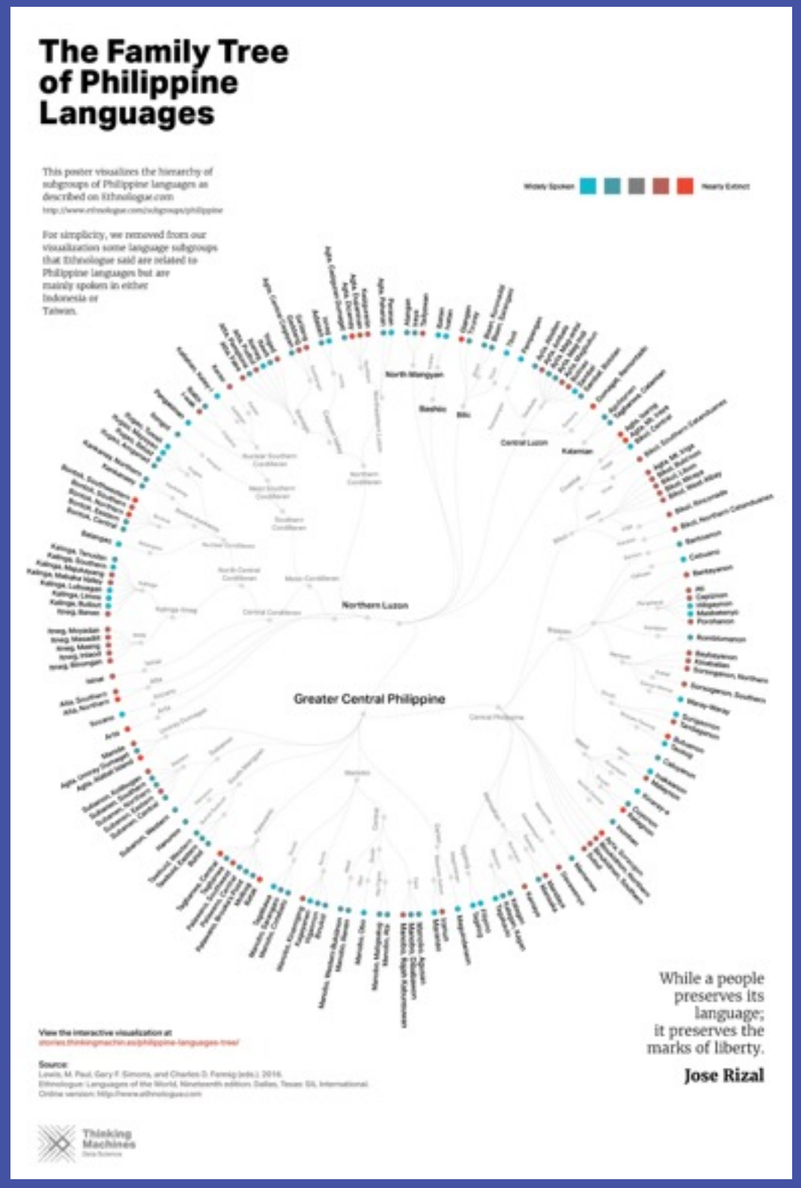
Data Visualization **D3**

A self-initiated data story for the company blog: stories.thinkingmachin.es/philippine-languages

Project Duration:
1.5 weeks

Project Scope:
Data Analysis and Design
D3 coding





2016

PHILIPPINE DISASTERS

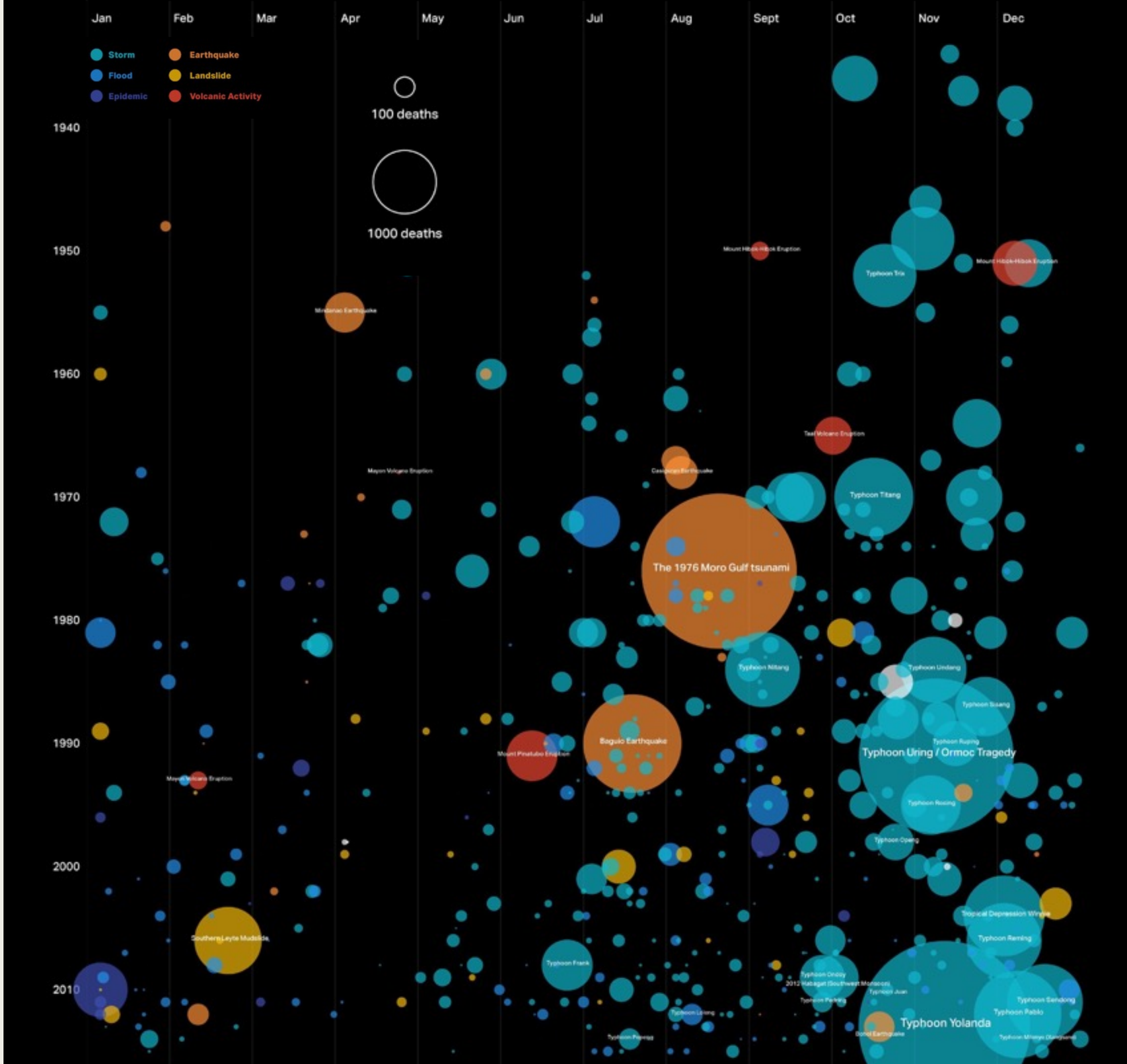
Thinking Machines

Data Visualization **D3**

A self-initiated data story for the company blog: stories.thinkingmachin.es/philippine-disasters

Project Duration:
1 week

Project Scope:
Data Analysis and Design
D3 coding



2016

VISUALIZING A PANEL DISCUSSION

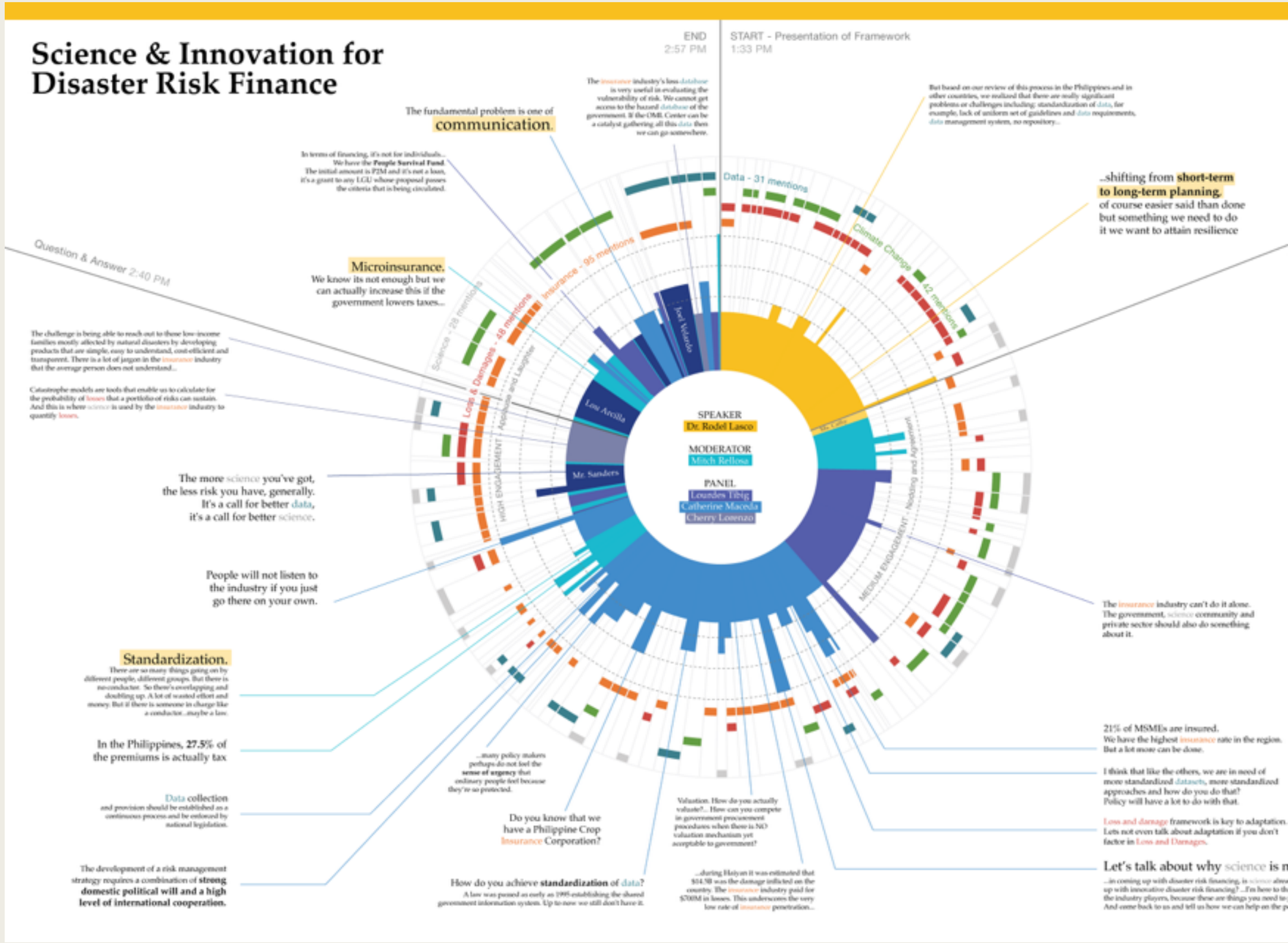
Thinking Machines

Data Visualization **D3**

A project for the Oscar M. Lopez Foundation to make a data visualisation of a panel discussion on disaster risk finance

Project Duration:
1 week

Project Scope:
Data Visualization
D3 coding



Sent to attendees of ARISE conference

2017

MAPPING ROAD ACCIDENTS

Thinking Machines

Data Visualization **D3**

A project for the Thinking Machines blog inspired by our entry for a Road Safety Hackathon where we won 3rd place

Project Duration:
2 weeks

Project Scope:
Data Visualization
D3 coding

https://stories.thinkingmachin.es/manila-road-incidents/

2017

TOXIC TAPS

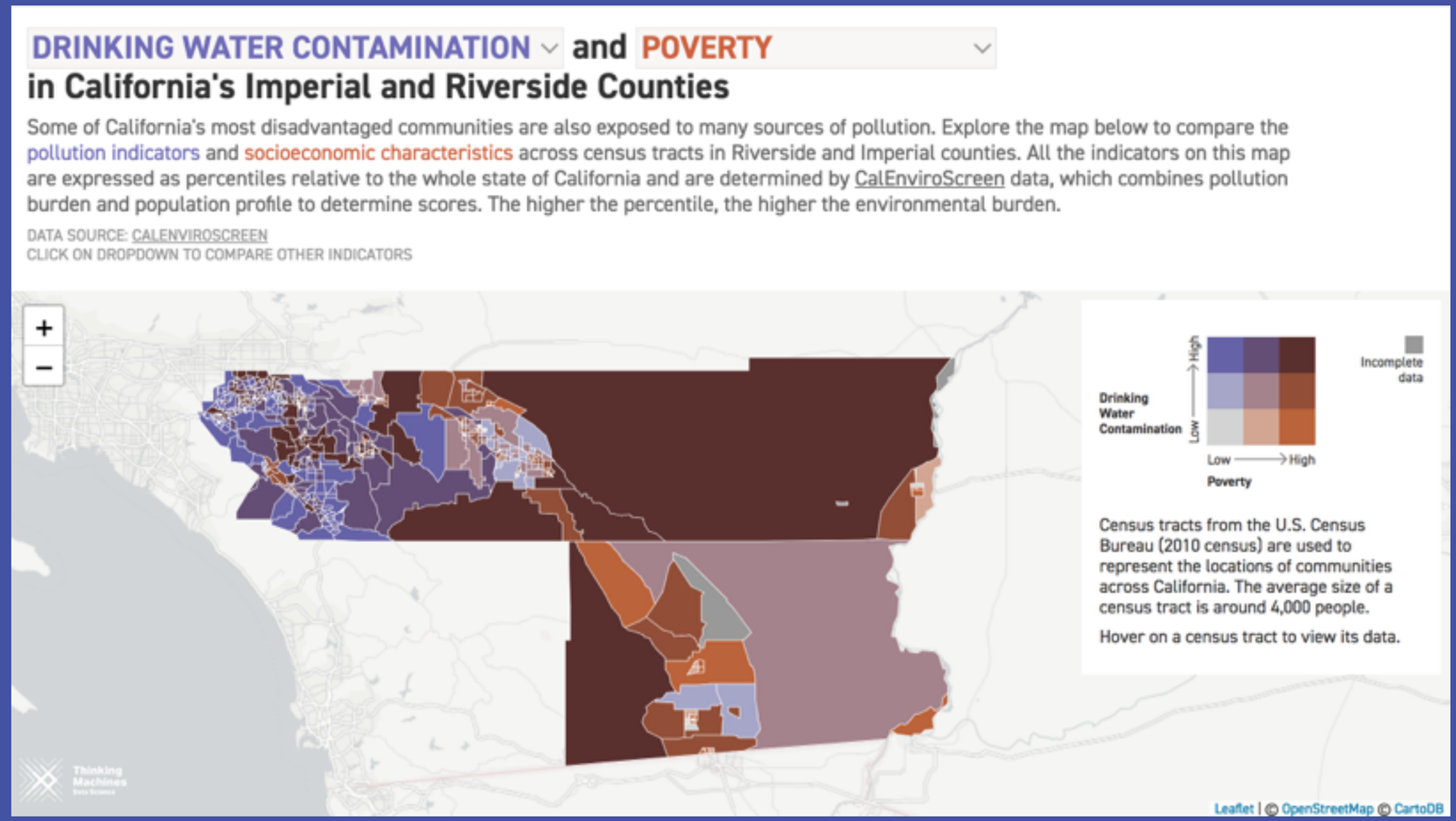
Thinking Machines

Data Visualization **D3**

Art direction for an interactive map in NewsDeeply's series about California's water

Project Duration:
2 weeks

Project Scope:
Data Visualization
D3 coding



I utilised a bivariate choropleth type map to show two variables at the same time and lessen clicks

http://toxictaps.newsdeeply.com/

2017

DATA VISUALIZATION LECTURES

Ateneo de Manila University

Data Visualization **D3**

Slides developed for teaching part time at my alma mater with the astrophysicist turned data scientist, Dr. Reina Reyes

[Download all slides]

[View it Online]

[View it Online]

[View it Online]

INTERNATIONAL TALKS

2016
UX SINGAPORE

Showcasing the truth is the highest goal of data storytelling. Because the design of a chart can affect the interpretation of data in a major way, one must wield visual tools with care and deliberation. Using quantitative facts to evoke an emotional response is best achieved with the combination of UX and data storytelling.

View Online

2017
WORLD DESIGN SUMMIT MONTREAL

How can we fully integrate user experience design, data visualization and data science to get the most actionable insights out of data to empower the social sector and drive change bottom up and top down?

View Online

Mange tak!