How to Visualize Data Effectively to Promote Diversity and Inclusion

Yusaku Horiuchi (Dartmouth)    In Song Kim (MIT)

APSA 2018

August 31, 2018
1 Hackathon: Data Visualization Team

2 Team Outputs
Suggested Datasets

1. A replication package of Teele and Thelen (2018)
   https://www.dropbox.com/s/6v2sqzej2q4ifg0/2017_Teele_Thelen_Replication.zip?dl=0

   https://doi.org/10.7910/DVN/GD1UEI

   https://www.dropbox.com/sh/8mw8qocqx1rld2g/AACtxWwVqYo6I0UyknHlg4Ca?dl=0

4. College Scorecard
   https://collegescorecard.ed.gov/data/

5. National Center for Education Statistics
   https://nces.ed.gov/datatools/

6. Variety of Democracy (V-Dem) dataset

7. Quality of Government dataset
   https://qog.pol.gu.se/data
Instructions

- Participants may either use the provided datasets or bring their own to produce visualizations.

- Please submit your output as yourlastname.zip with the folder structure described below.

  https://www.dropbox.com/sh/c4xpvaeminf7whw/AACTqsXsk8f7ZVHbemjgEjJUa?dl=0

- Your folder structure:
  1. /code/  
  2. /data/  
  3. /figure/
Hackathon: Data Visualization Team

Team Outputs
Participants

- Yusaku Horiuchi (Dartmouth College)
- In Song Kim (MIT)
- Basak Traktas (Northwestern University)
- Francesca Jensenius (University of Oslo)
- Katherine Clayton (Dartmouth College)
- John Carey (Dartmouth College)
- Tom Paskhalis (London School of Economics)
- Selina Hofstetter (London School of Economics)
- Jim Cupples (NationBuilder)
Gender Gaps in Perceptions about Publication in PA

Likelihood of Submitting

Quantitative

Likelihood of Submitting

Qualitative

Likelihood of Publishing

Quantitative

Likelihood of Publishing

Qualitative

Very likely

Somewhat likely

Neither likely nor unlikely

Somewhat unlikely

Very unlikely

Man

Woman

Man

Woman

Man

Woman

Man

Woman

−0.427**
(0.139)

+0.038
(0.094)

−0.388**
(0.126)

+0.091
(0.128)

Horiuchi (Dartmouth) and Kim (MIT)

Data Visualization

Hackathon, APSA 2018
Women’s Political Empowerment Over Time

Belgium

China

Germany

Iran

Japan

Norway

Russia

Turkey

Year

Women political empowerment index

Horiuchi (Dartmouth) and Kim (MIT)
Happiness isn’t associated with political empowerment

Horiuchi (Dartmouth) and Kim (MIT)
Sexual harassment training at UNM: Effects on sexism

- Benevolent sexism, e.g., “women should be rescued first”
- Hostile sexism, e.g., “women are too easily offended”
Finacial Flow and Politicians

American Association Of University Women

LBR
HCR
ECN
GOV
EDU
FOR
FAM

R. DeLauro
E. Kennedy
L. Slaughter
C. Maloney
H. Reid
S. Collins
N. Lowey
B. Frank
J. Conyers
Racial/ethnic composition of student populations by income, 10 years after enrollment

Earnings by percentile

Percent of student population by race/ethnicity

Horiuchi (Dartmouth) and Kim (MIT)
Voter Composition

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<thead>
<tr>
<th>Louisiana Registered Voters</th>
<th>Louisiana Officeholders</th>
</tr>
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<table>
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</table>
Rate Professors!

![Graph showing relationship between easyness of professor's taught course and average overall quality of rated professor. Different colors represent gender.]