

Data, design, and D3.js

A PRIMER ON MAKING CLEAR GRAPHICS

I'm Kim Niedermaier.

Let's talk , , & .

ActBlue

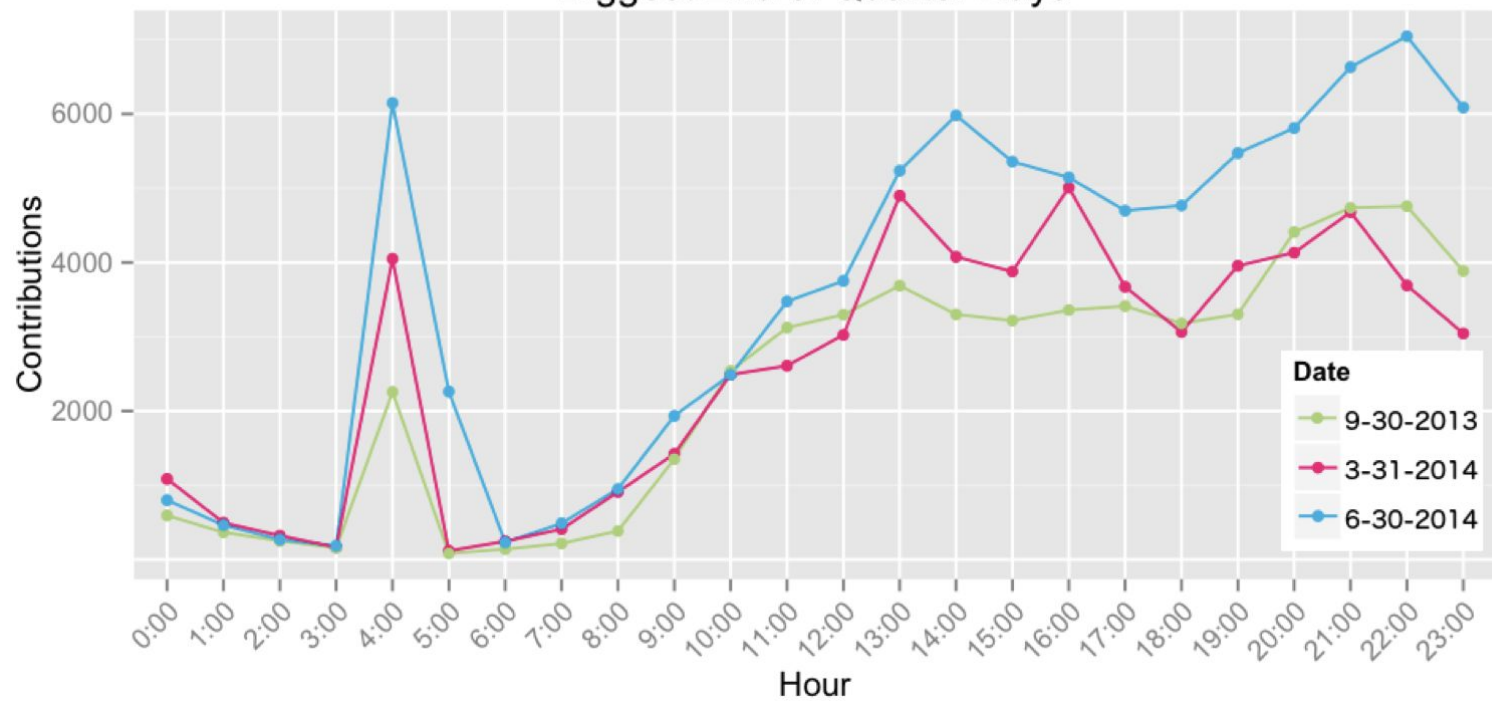
Nonprofit fundraising platform, founded in 2004

20k+ campaigns, organizations

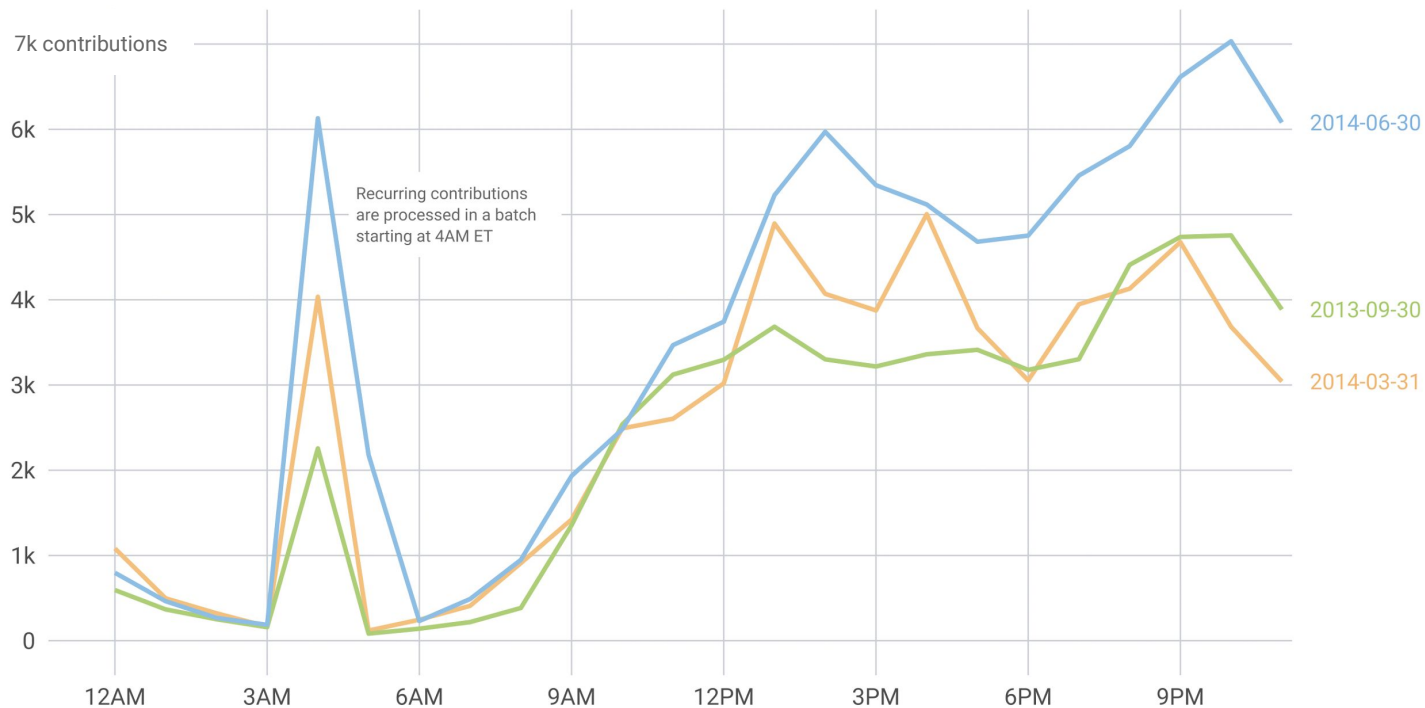
Almost \$2B raised

\$36 average contribution size

Biggest End of Quarter Days



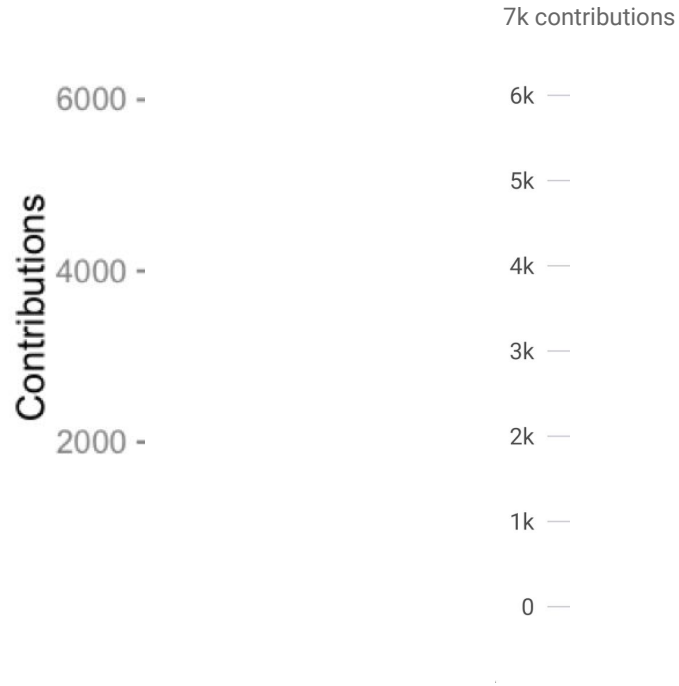
CONTRIBUTIONS BY HOUR ON THE BIGGEST END OF QUARTER DAYS AS OF JULY 2014 FOR ACTBLUE



Comparing scales



Comparing scales

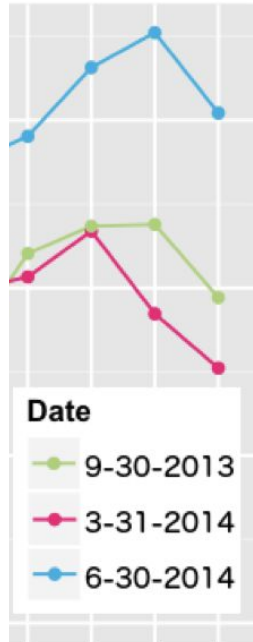


Editing title and subtitles

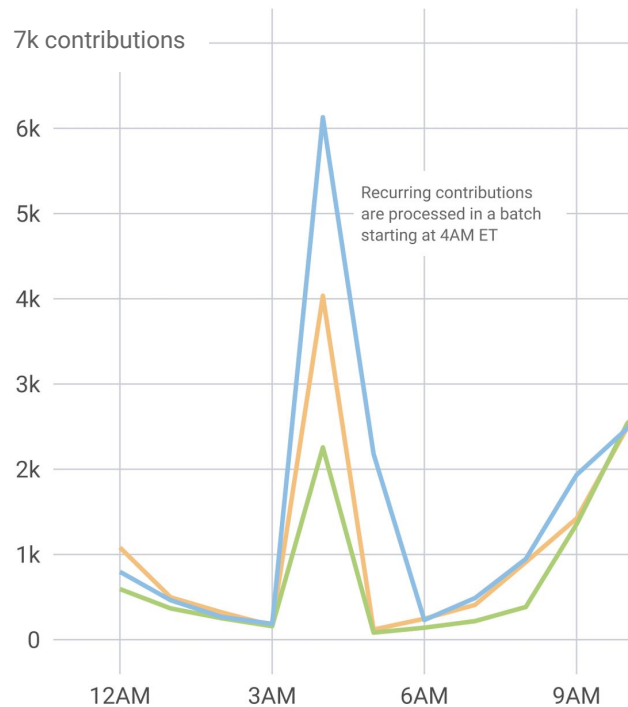
Biggest End of Quarter Days

CONTRIBUTIONS BY HOUR ON THE BIGGEST END OF QUARTER DAYS
AS OF JULY 2014 FOR ACTBLUE

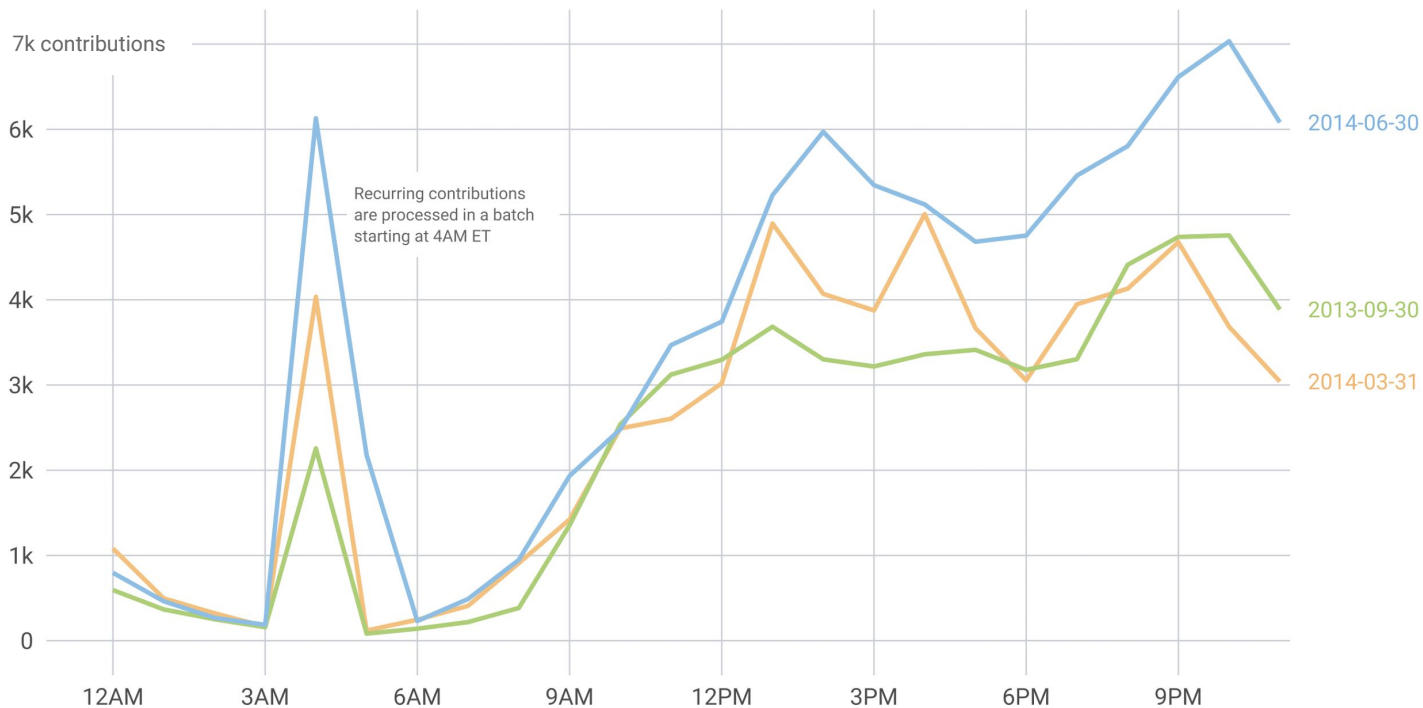
Removing the legend



Adding annotations



CONTRIBUTIONS BY HOUR ON THE BIGGEST END OF QUARTER DAYS AS OF JULY 2014 FOR ACTBLUE



Aim for clarity

Provide context in titles and subtitles

Remove redundant elements (e.g. axis titles, legends, etc.)

Annotate critical points of data

Use conventional abbreviations for labels

Keep text horizontal

Increase density of meaningful information

Consider D3.js

What D3.js offers

Mix of low-level modules

Provides flexibility to compose visualizations

Everything is customizable and interchangeable

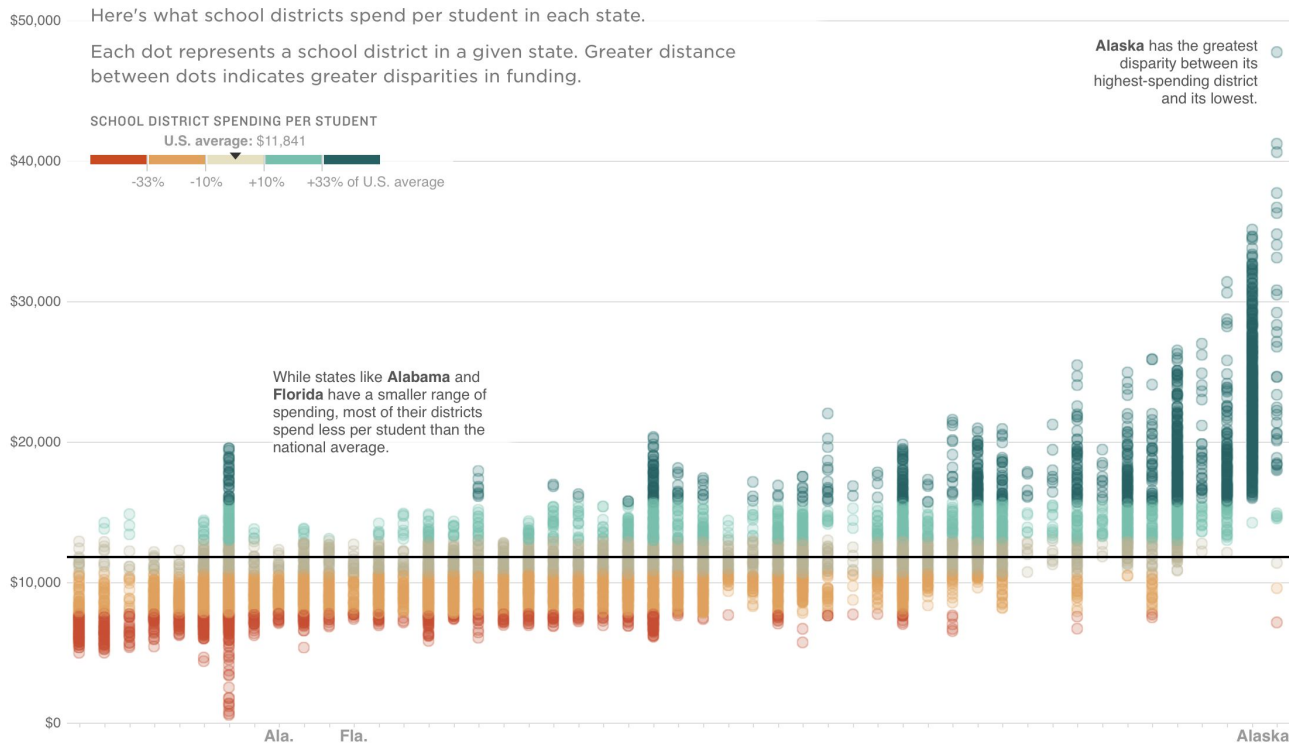
Straightforward debugging

If you know SVG, CSS, HTML, and some javascript: dive in!

Examples

Is There A Better Way To Pay For America's Schools?

May 1, 2016 - 7:00 AM ET



Notes

This [Education Week](#) analysis of federal and state data excludes extreme outliers as well as districts with fewer than 200 students. Hawaii and Washington, D.C., are excluded because each has only one school district.

Source: [Education Week](#) analysis of federal and state data.

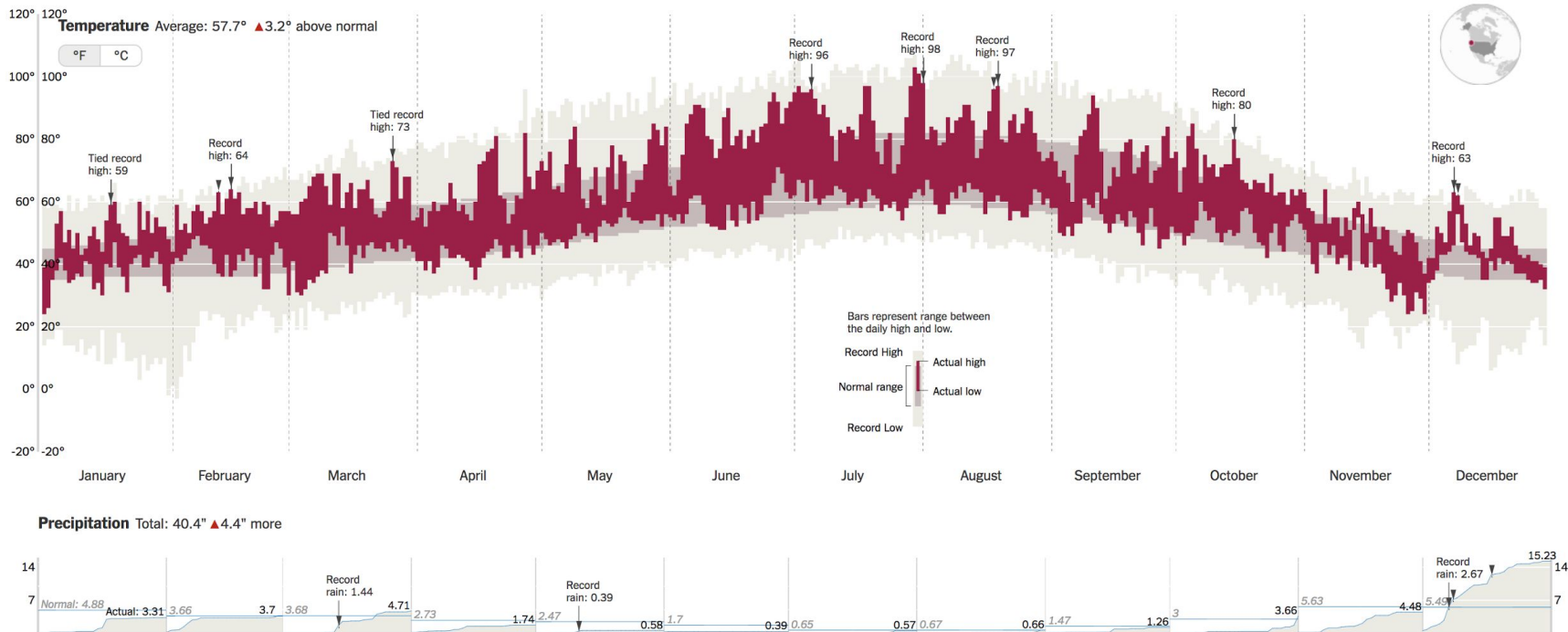
Credit: Katie Park, Alyson Hurt and Lisa Charlotte Rost/NPR

By K.K. REBECCA LAI FEB. 19, 2016

Scientists declared that 2015 was Earth's **hottest year on record**. In a database of 3,116 cities provided by AccuWeather, about 90 percent of them were warmer than normal. Enter your city in the field below to see how much warmer it was last year.

[RELATED ARTICLE](#)

Portland, Ore.



FiveThirtyEight

APR. 16, 2015 AT 4:03 PM

Where Your State Gets Its Money

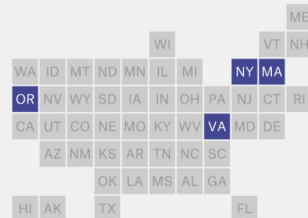
By Ben Casselman and Allison McCann

Filed under Taxes

Where Do Your State's Taxes Come From?

2014 state tax revenues

Income taxes make up more than **50%** of tax revenue



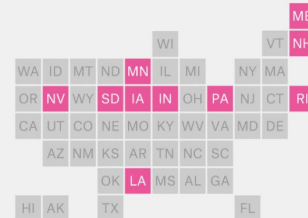
Sales taxes make up more than **50%** of tax revenue



Property taxes make up more than **10%** of tax revenue



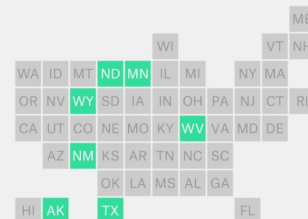
Sin taxes make up more than **10%** of tax revenue



Corporate taxes make up more than **10%** of tax revenue



Severance taxes make up more than **10%** of tax revenue



Thank you

Slides and resources can be found at
kimmiedermaier.com/talks/donut-js