# Eye-Training for Data Graphics

### Admissions gap



Source: https://archive.nytimes.com/www.nytimes.com/interactive/ 2013/05/07/education/college-admissions-gap.html 1. What variables form the frame?

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5. Which variables, if any, are used for faceting (small multiples)?

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### Footbal leagues



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strengths/weakness of this plot? 9. Are there any elments of this plot that don't fit into the "grammar of graphics"?

Source: https://www.nytimes.com/newsgraphics/2013/11/30/ football-conferences/index.html Medicare



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Published: March 29, 2013

Source: https://rethinkingvis.com/visualizations/80

Recession

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RATE\*

6% CURPENT NATURAL R

Published: October 9, 2013



Unemployment rate 2%		Inflation	rate
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4		P	Res
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The Federal Reserve is said to have a "dual mandate": keeping inflation in check and the unemployment rate low. These measures, which tend to change cyclically and in concert with each other, are charted for every year since the Great Depression.

Inflation rises Late 1960s-70s

> In speeches and in meetings, Ms. Yellen, the nominee for the next Fed leader, has commented on the Fed's actions during significant periods, providing a window into her views and priorities.

2

%

2% Latest recession. Custemin Since 2007 00 term. If the rate is pushed any lower than

over the long

nent

level of

\*The natural rate of unemployment is defined as the the natural level, wages and prices would rise.

By TOM GIRATIKANON and ALICIA PARLAPIANO

1992 Economic boom

3

1990s

Source: https://archive.nytimes.com/www.nytimes.com/interactive/ 2013/10/09/us/yellen-fed-chart.html 1. What variables form the frame?

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Source: https://archive.nytimes.com/www.nytimes.com/interactive/ 2013/02/04/science/girls-lead-in-science-exam-but-not-in-the-united-states. html



Source: https://archive.nytimes.com/www.nytimes.com/interactive/ 2013/05/25/sunday-review/corporate-taxes.html 1. What variables form the frame?

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#### Political Bar Charts



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Source: https://www.washingtonpost.com/graphics/politics/ 2016-election/trump-charts/

• This is from an article by a Calvin alumnus, John Muyskens

#### Political Bar Charts, part 2



Source: https://www.washingtonpost.com/graphics/politics/ 2016-election/trump-charts/

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Source: https://www.magesblog.com/post/2014-03-25-sankey-diagrams-with-googlevis/



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Source: https://www.accesskent.com/Health/covid-19-data.htm

### Kent County COVID dashboard

# Population Diversity Shift



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Source: https://www.nytimes.com/2022/01/13/learning/whats-going-on-in-this-graph-jan-19-2022. html



The Agriculture Department has revised its model dietary plan illustrating how families could practically meet nutritional guidelines at a low cost. What do you notice and wonder?

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Updated Oct. 14, 2021

The Learning Network

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Source: https://www.nytimes.com/2021/10/07/learning/whats-going-on-in-this-graph-oct-13-2021. html

**Global Carbon Emissions** 

Compare the historical share of global carbon emissions — both total emissions and emissions per person — for the world's 23 richest countries to the share from all of the world's other countries.



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Source: https://www.nytimes.com/2021/11/18/learning/whats-going-on-in-this-graph-dec-1-2021. html

## **Congressional Seats**



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Source: https://www.nytimes.com/2021/10/21/learning/whats-going-on-in-this-graph-oct-27-2021. html Tree of Life



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Source:

- https://en.wikipedia.org/wiki/Phylogenetic\_tree
- https://en.wikipedia.org/wiki/Tree\_of\_life\_(biology)