




# Data Storytelling Studio

*telling a story*

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CMS.631/831  
Rahul Bhargava



# Agenda

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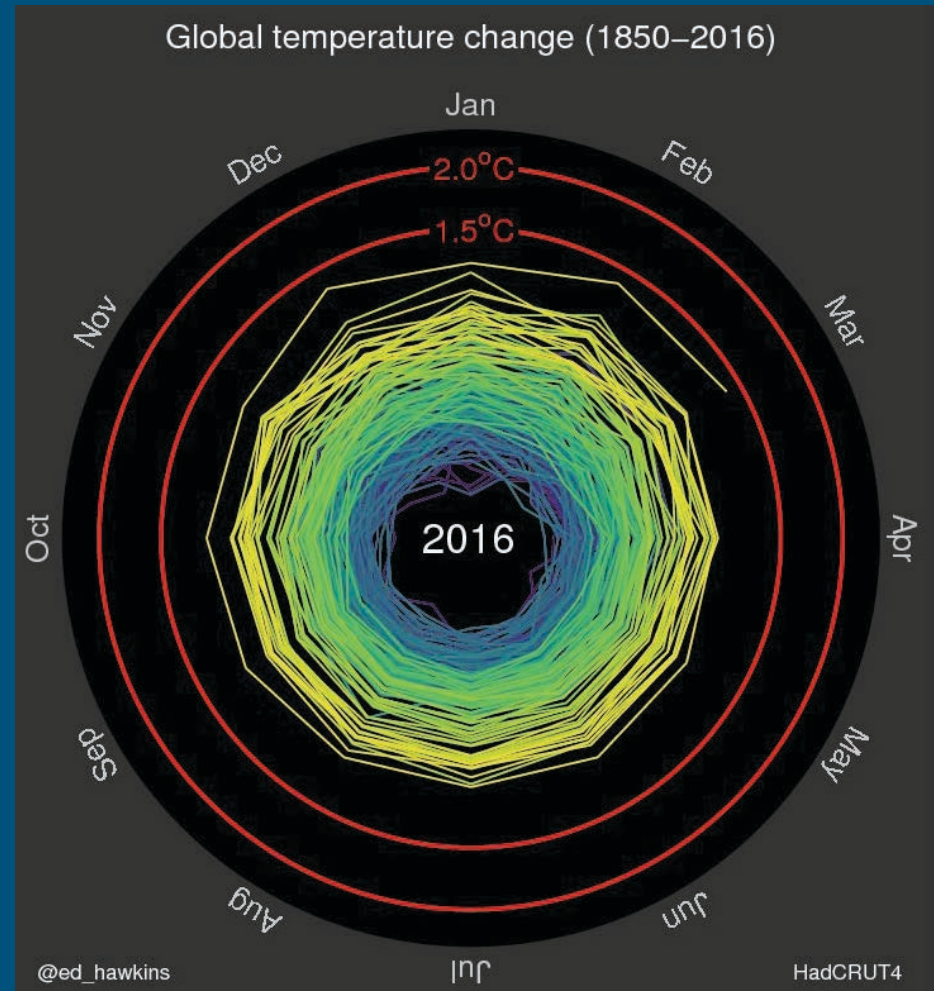
- [10] critique
- [10] readings review
- [10] grad reading presentation
- [30] a taxonomy of techniques
- [20] remix activity
- [5] homework prep

# Crit Practice

## Spiralling Global Temperatures

*Ed Hawkins*

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# Readings

*Mushon Zer Aviv. 2014. Disinformation Visualization: How to lie with datavis. (January 2014).*

*Edward R. Tufte. 2001. Graphical Excellence. In The Visual Display of Quantitative Information. Cheshire, Conn: Graphics Pr.*

How confident do you feel about your ability to assess a graphic? are you a critical reader? who is?

What's the difference Zer-Aviv's paints between "argument" and "evidence"?

Are Tufte's "principles of graphical excellence" always aligned with those of argumentative excellence?

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# About Crafting Narratives

## Grad Student Presents

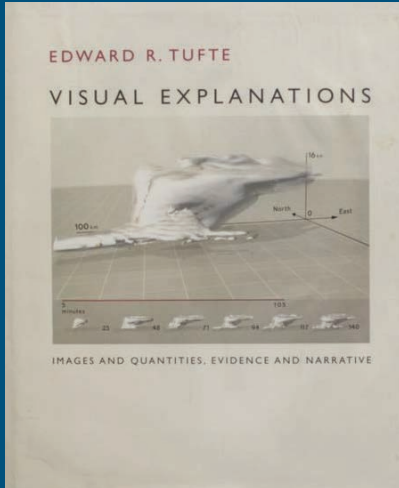
Colin Ware. 2008. Visual and Verbal Narrative. In *Visual Thinking: for Design*. Burlington, MA: Morgan Kaufmann.

Edward Segel and Jeffrey Heer. 2010. Narrative visualization: Telling stories with data. *Visualization and Computer Graphics, IEEE Transactions on* 16, 6 (2010), 1139–1148.

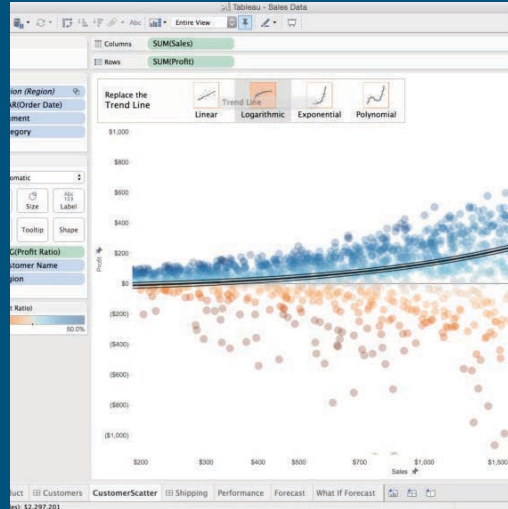
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techniques  
you can use

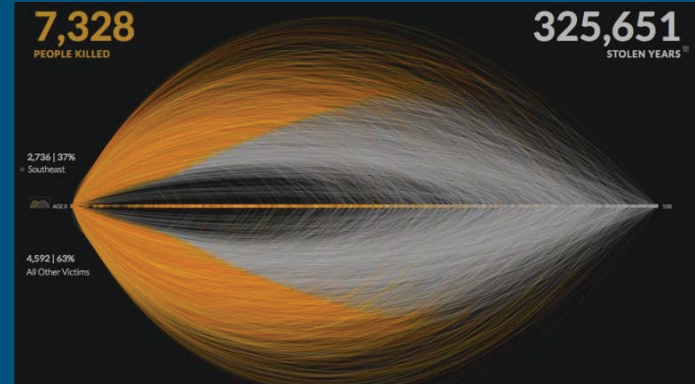
# The Usual Inspirations



*Visual Explanations, Edward Tufte*  
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*Tableau Software*



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# A Richer Set of Inspirations

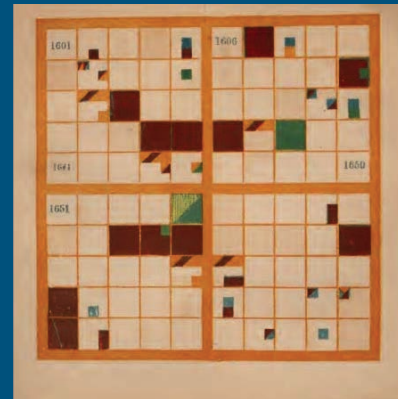
Food security data on a cucumber, Rahul Bhargava, 2014



Prudential Ribbons Experiment, 2014



Black Cloud, WWF & Ogilvy, 2007



History Quilt, Elizabeth Peabody, 1856



# A Toolbelt of Techniques

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- Personal Stories
- Traditional Charts
- Creative Charts
- Data Sculptures
- Traditional Maps
- Creative Maps
- Be the Data

# Personal Stories

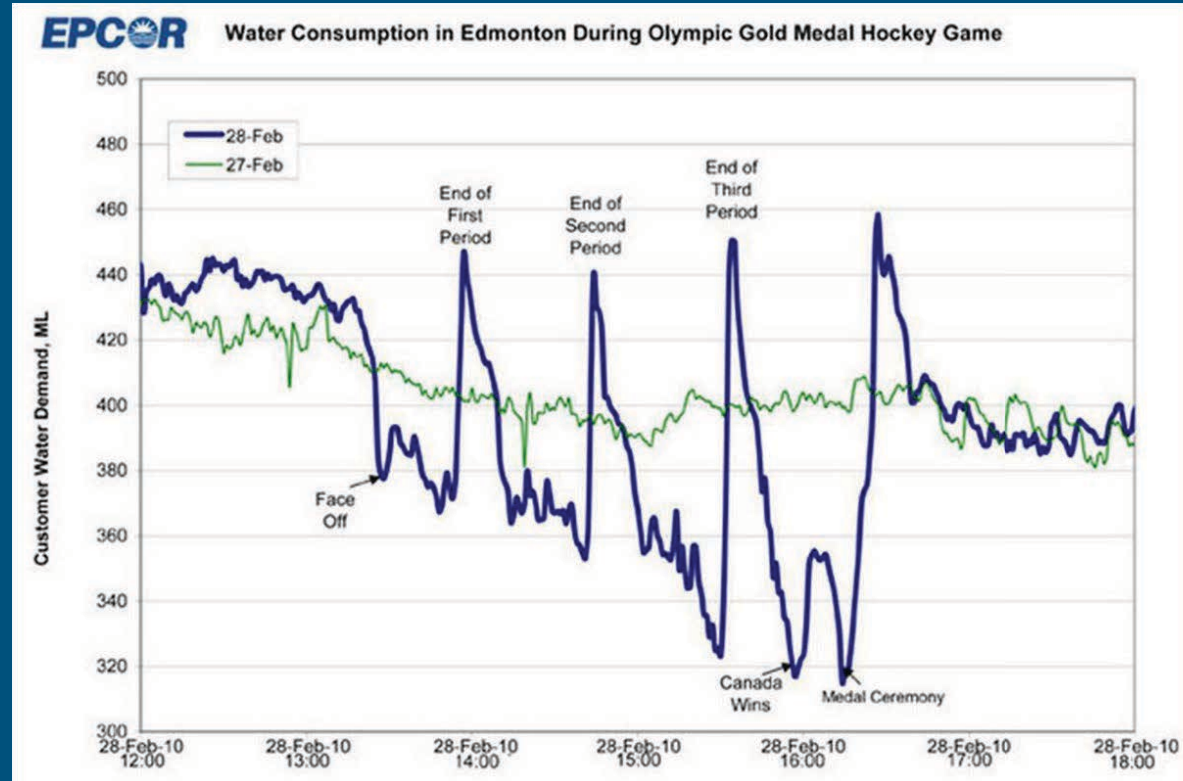


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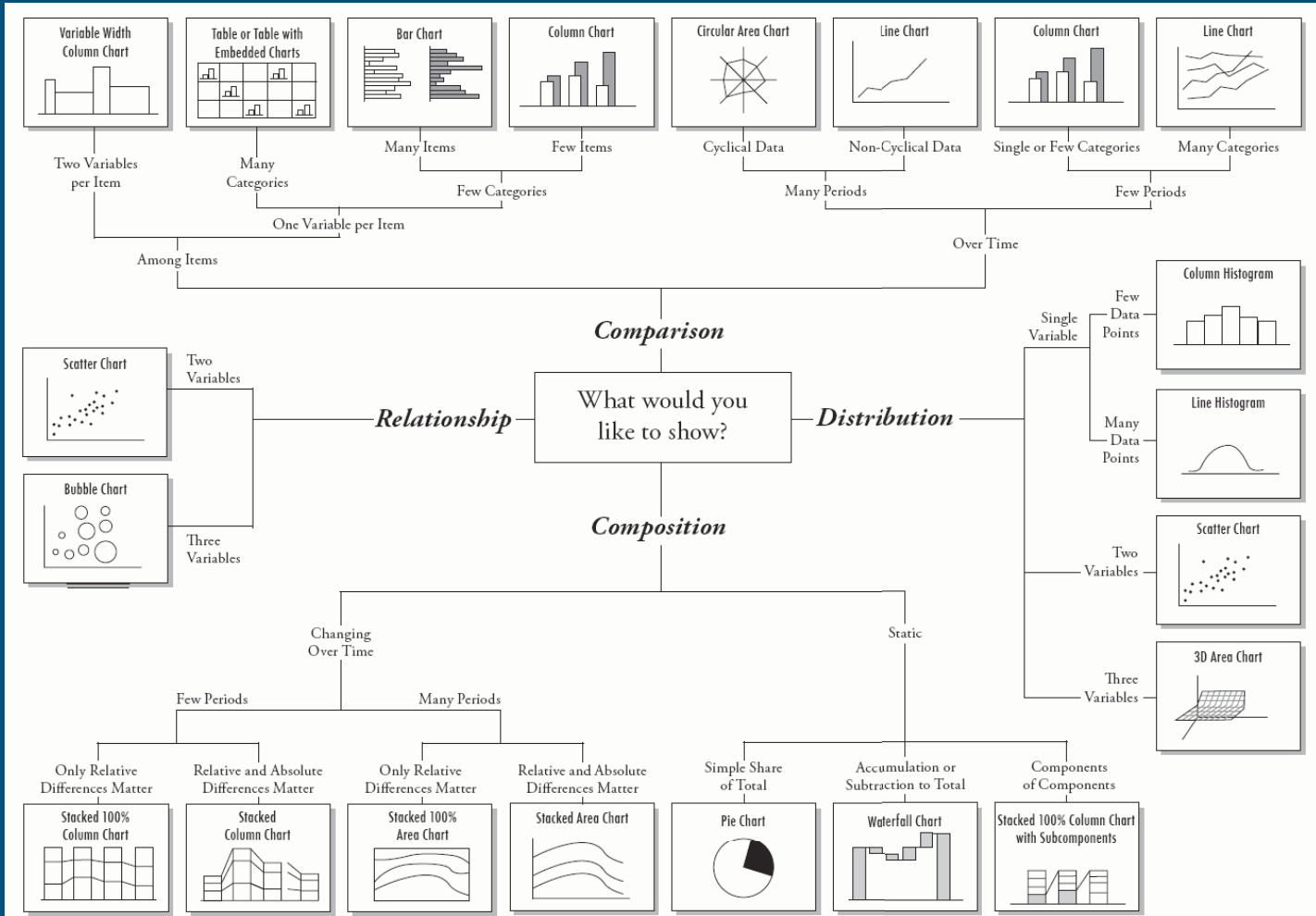
# Traditional Charts

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# Choose the Right Chart

Andrew Abela



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# Creative Charts



Rahul Bhargava & Groundwork Somerville



# Data Sculptures

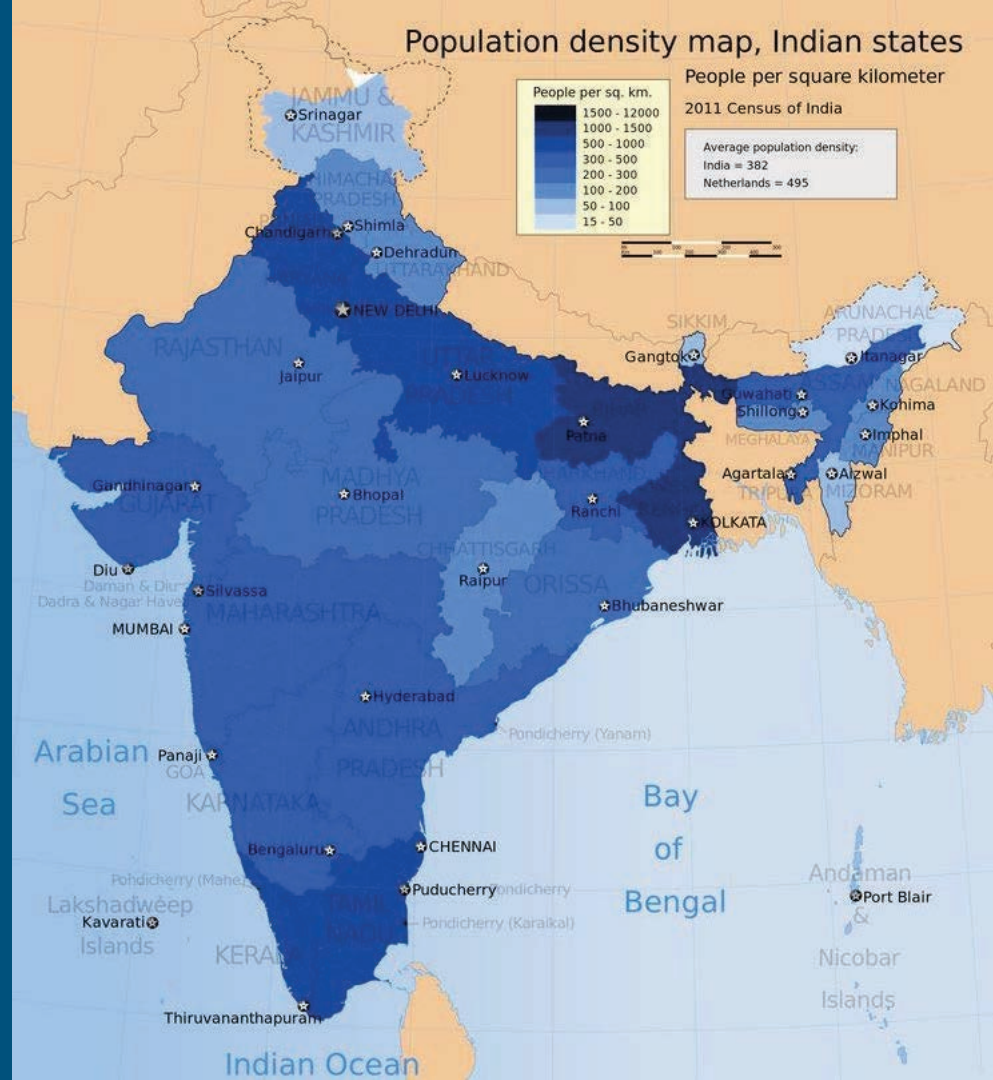
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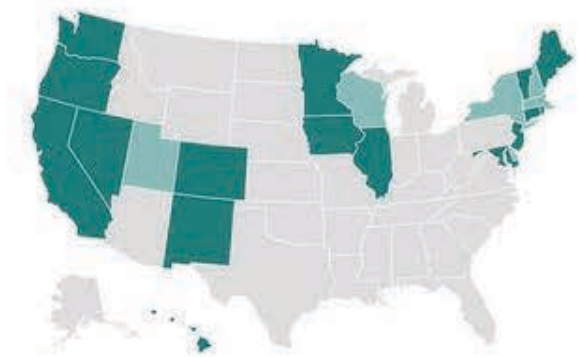
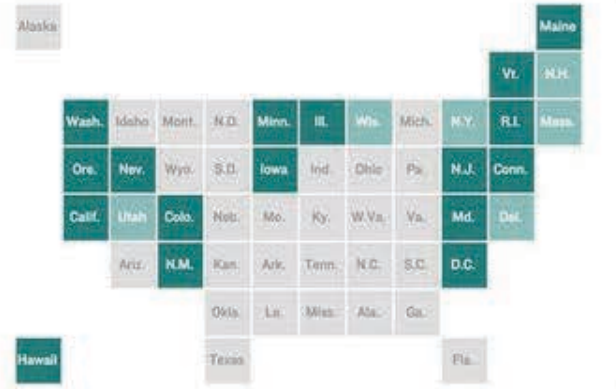


# Traditional Maps

[Wikipedia](#)

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[NPR Visuals Team](#)

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# Creative Maps

L'archipel de Palestine orientale



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Julien Bousac

# Be the Data

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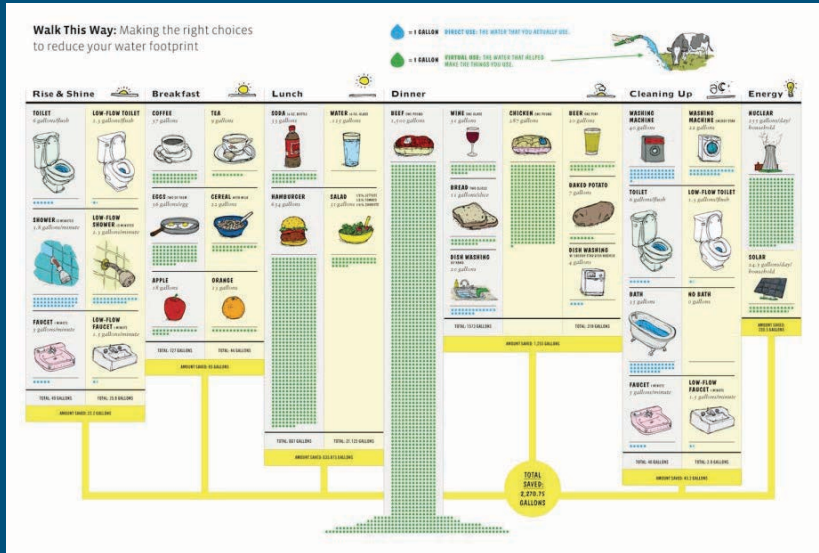
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Prudential  
Ribbon  
Experiment

Time to practice!

# let's do a remix



- form teams
- I'll assign each of you a technique
- grab big paper and crayons
- sketch out a remix with the technique I assigned you

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# homework

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- read stuff

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CMS.631 Data Storytelling Studio: Climate Change  
Spring 2017

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