Lecture 6: Storytelling and Functions

March 6, 2023

Course Administration

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 - sign up for slots April 11, link is on Lecture 11
 - let me know if you cannot make any slot or all slots are full

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- 2. In-class workshop: April 3, instructions posted
- 3. Meet a visualizer: Kate R., Graphics Editor, Wash Po, April 3
- 4. Fully composed chart feedback in a minute
- 5. Anything else?

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- With novel data!
- Some had annotations!
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Moving forward

- Your feedback will say "see comment A"
- See notes here

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- Your feedback will say "see comment A"
- See notes here
- The biggest improvement will be adding THE POINT
 - Description: troop levels over time
 - The Point: troops gathering strength in days before war
- We'll work on this today



Today

On Telling Stories

- 1. Components of a story
- 2. Pulling a story apart
- 3. You try

In R – functions

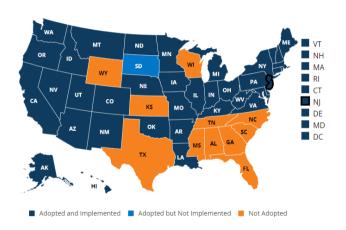
- 1. Why functions?
- 2. Defining a function
- 3. Getting things out of a function
- 4. Modifying a dataframe
- 5. Functions and ggplot

Next Week's Assignment

Find a storytelling graphic. Post link to google sheet by Wednesday noon.

Finder	Commenter
Maddy	Bryan
Lancy	Anna

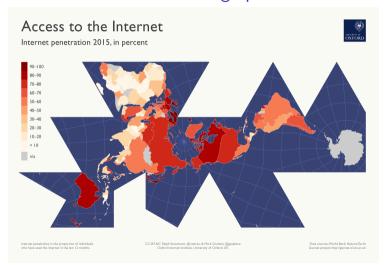
Isabel on Bryan's graphic: Internet Penetration



"Status of State Medicaid Expansion Decisions: Interactive Map," KFF, link.



Gio on Tara's graphic





Stories

Today

- 1. Components of a story
- 2. Pulling apart a graph

• Act 1:

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- Act 2: working on the problem, main character changes as a result of problem
- Act 3: climax and resolution of the problem

What Does this Mean for a Policy Brief?

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- 1. Pose the problem, showing its importance
- 2. Give evidence for the problem or magnitude
- 3. Propose resolutions

Storyboard

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 - In this work, it can be the lead-up to a conclusion
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 - make sure these relate to evidence

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- Call to action
 - people want a resolution
 - make sure these relate to evidence
- All parts should be linked

Helpful Tips You Can Apply

- Do slide headers read as a story? aka horizonal alignment
- Vertical alignment within slide agreement
- Use headers to work out your story, then build inside
- Be wary: things that work for a presentation don't always work for a written product

Common Pitfalls

- Failure to motivate problem or issue
- Too little definition
- Too much information
- Conclusion without evidence

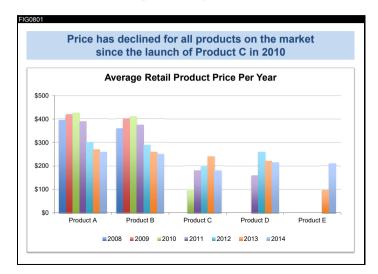


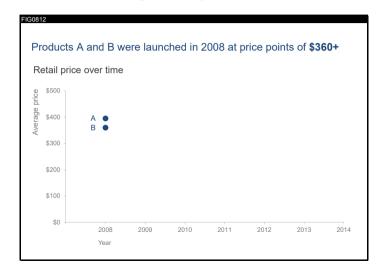
FIG0811

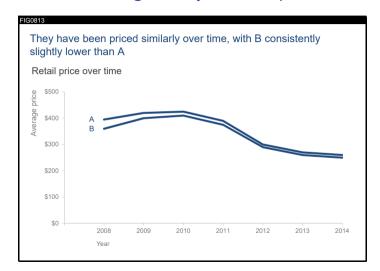
In the next 5 minutes...

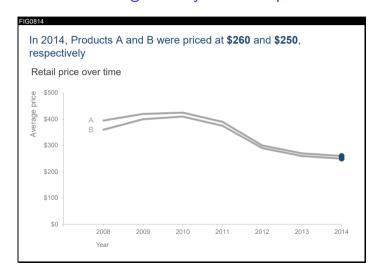
OUR GOAL:

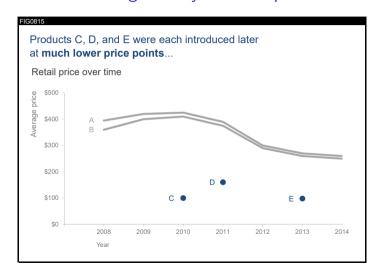
- Understand how prices have changed over time in the competitive landscape.
- 2 Use this knowledge to inform the pricing of our product.

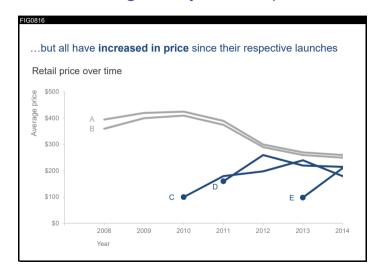
We will end with a specific recommendation.

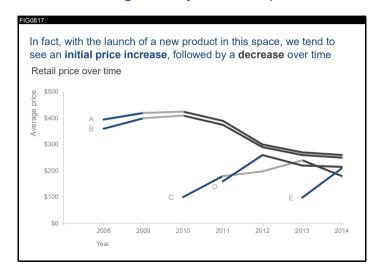


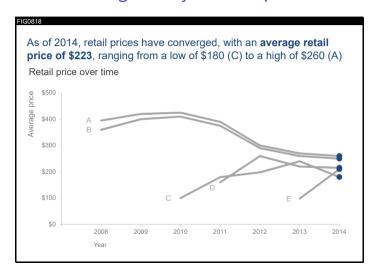


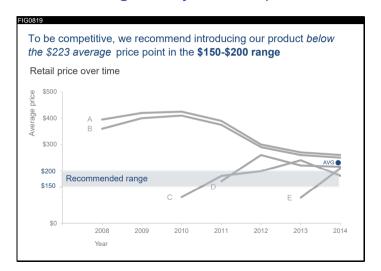










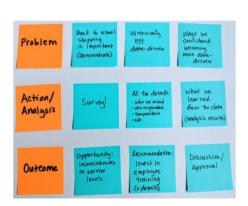


Be Aware that the Presentation Version is Not the Print Version

- The final graph of the sequence just before is not a good explanation
- You may need to limit the points along the way
- And make sure you highlight the finding

Telling a Story with Post-its

- Goal today is brainstorming
- Write down your key points
- One per post-it note
- Re-organize and delete as needed
- Tell your story to your group
- I'll wander around to see if you want input



From Knaflic's webpage



R – Slides here

Next Lecture

- Next week: Spring break!
- Next next week: Maps 2 of 2
- Read
 - Monmonier, Chapter 6
 - Goats from the Post
 - NYT on elections maps
- Heads-up: In-class workshop April 3 lecture 9 works better when you bring something to show