Reduce cognitive load

DATA VISUALIZATION IN POWER BI

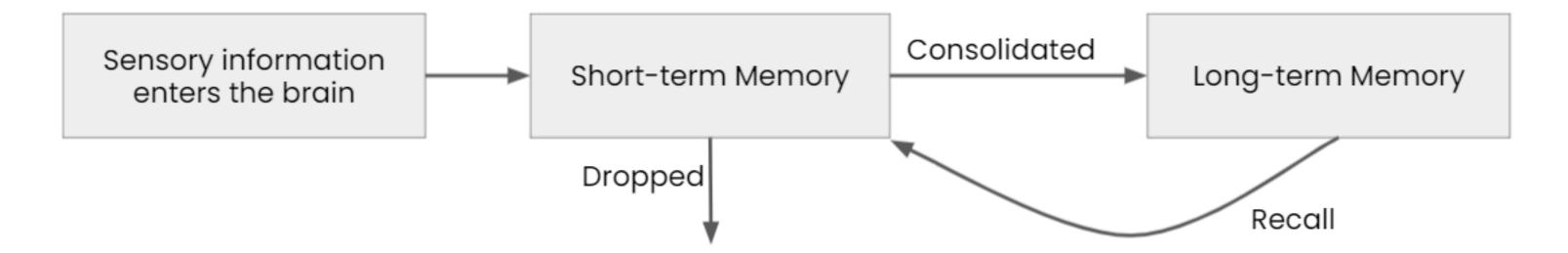


Kevin FeaselCTO, Faregame Inc



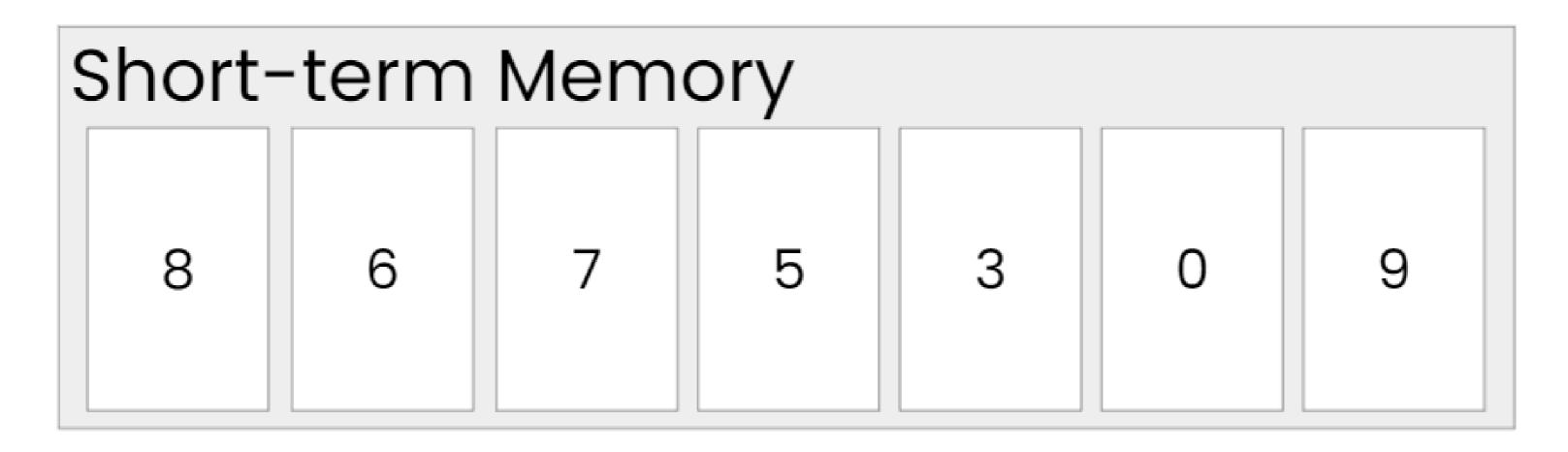
Short-term memory

This is a simplified version of the way humans process signals.



The "magical number seven"

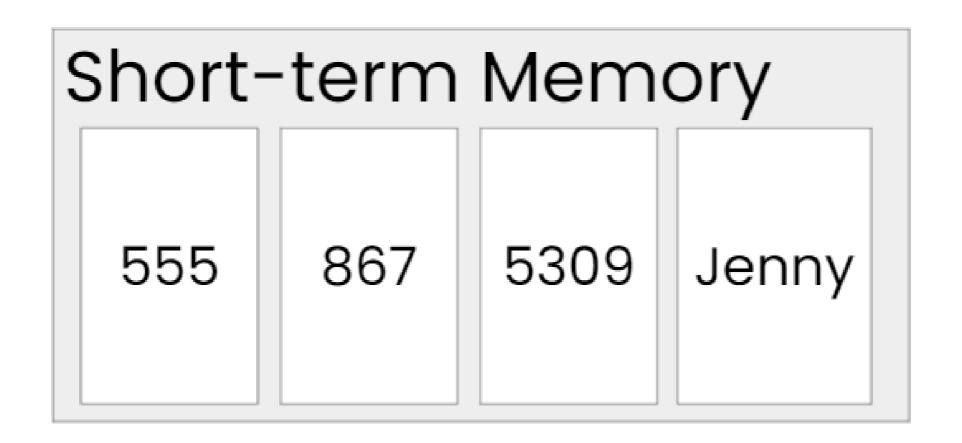
George Miller's research discovered that humans can tend to hold seven (plus or minus two) pieces of information at a time in short-term memory.



¹ Miller, G. A. (1956). The magical number seven, plus or minus two: Some limits on our capacity for processing information. Psychological Review, 63(2), 81-97.

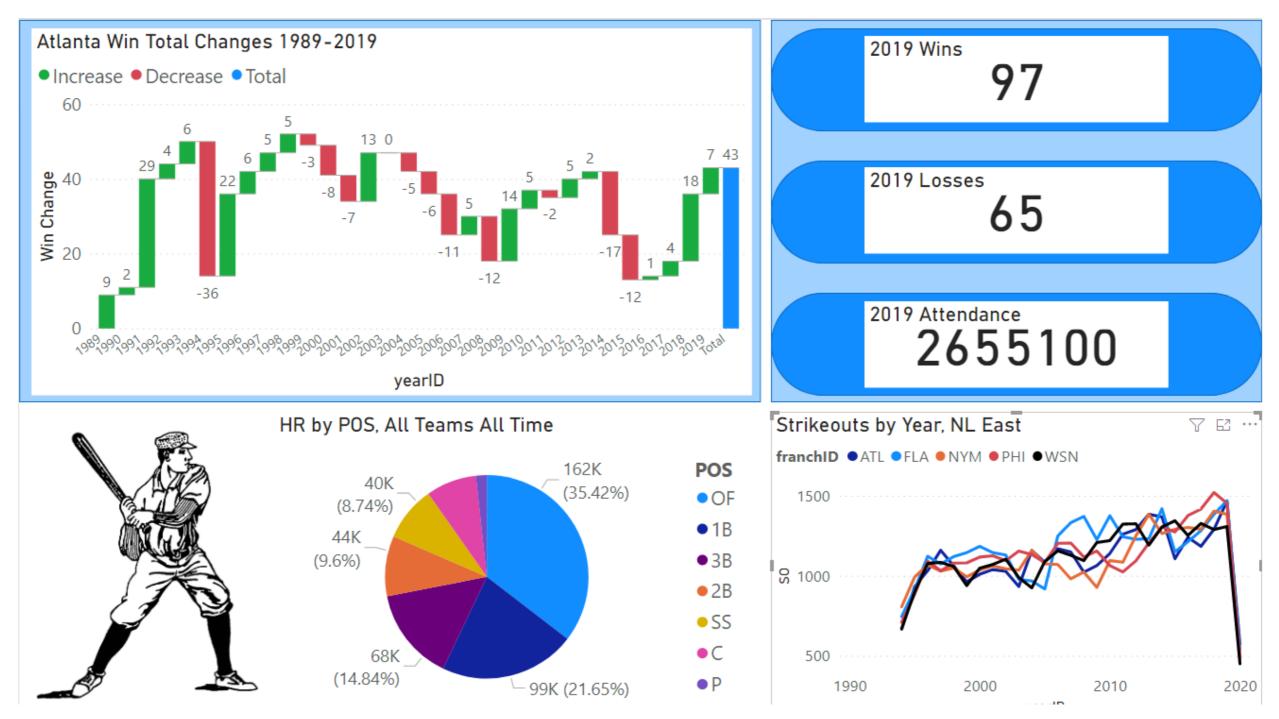
Or maybe 4?

Further research indicates that this may be closer to 4 +/- 1 but that we can "chunk" information together.



¹ Cowan, N (2001). The magical number 4 in short-term memory: a reconsideration of mental storage capacity. Behavioral Brain Science, 24(1), 87-114.

Cognitive load

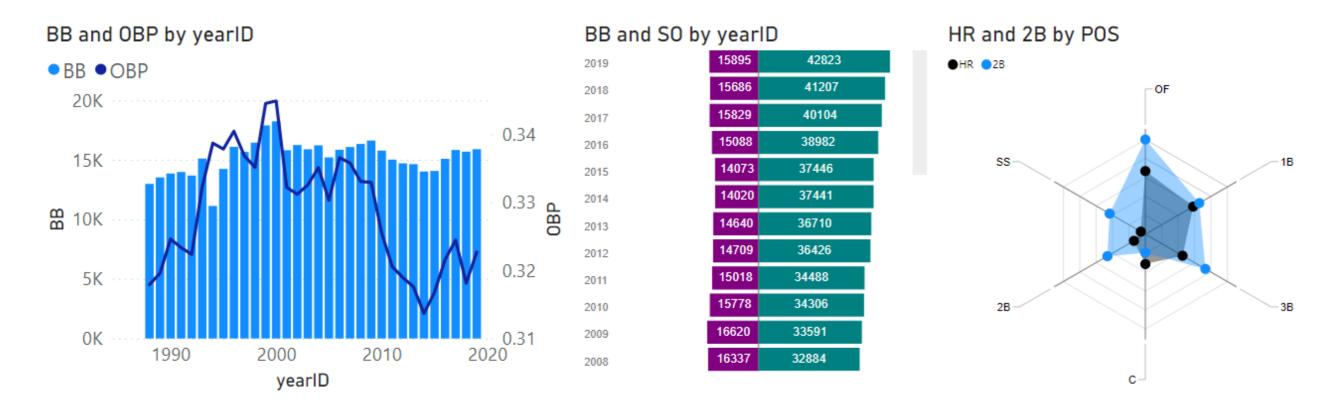




Reducing cognitive load

Quick wins in reducing cognitive load:

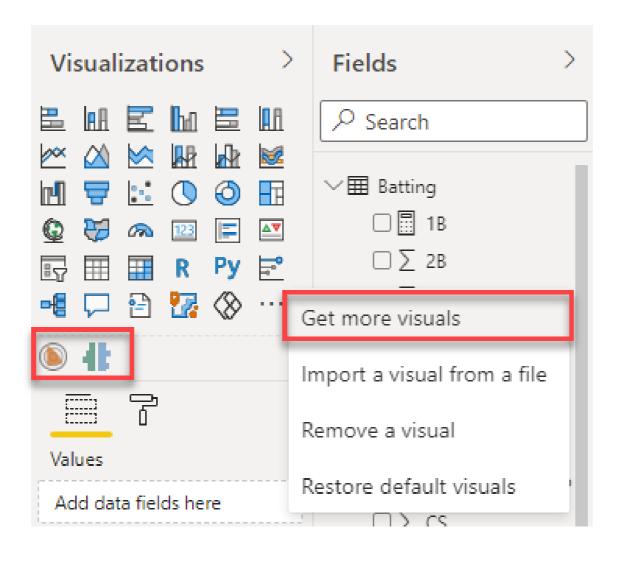
- 1. Tailor the page to your audience
- 2. Focus on one story per report page
- 3. Strike the balance between information-rich visuals and confusing the audience





Custom visuals in Power Bl

Custom visuals can be loaded into a Power Bl report.



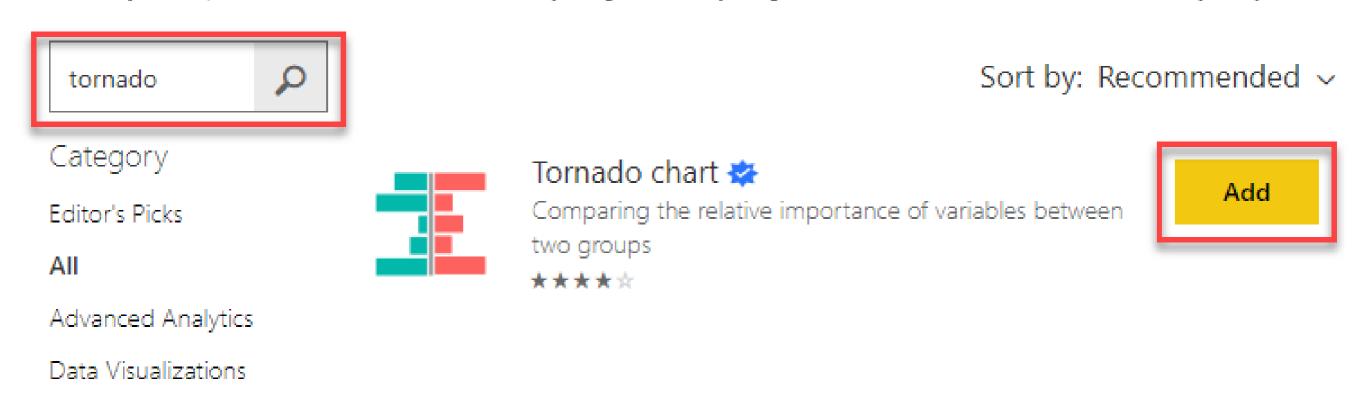
Microsoft AppSource

Microsoft AppSource is a centralized marketplace for Power BI custom visuals.



AppSource | My organization

Add-ins may access personal and document information. By using an add-in, you agree to its Permissions, License Terms and Privacy Policy.





X

Thinking of our audience

Historian persona

- How has offensive productivity changed over time?
- Is an emphasis on power hitting a detriment elsewhere?

Let's practice!

DATA VISUALIZATION IN POWER BI



Combination charts and custom visuals

DATA VISUALIZATION IN POWER BI



Kevin Feasel
Instructor



Let's practice!

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