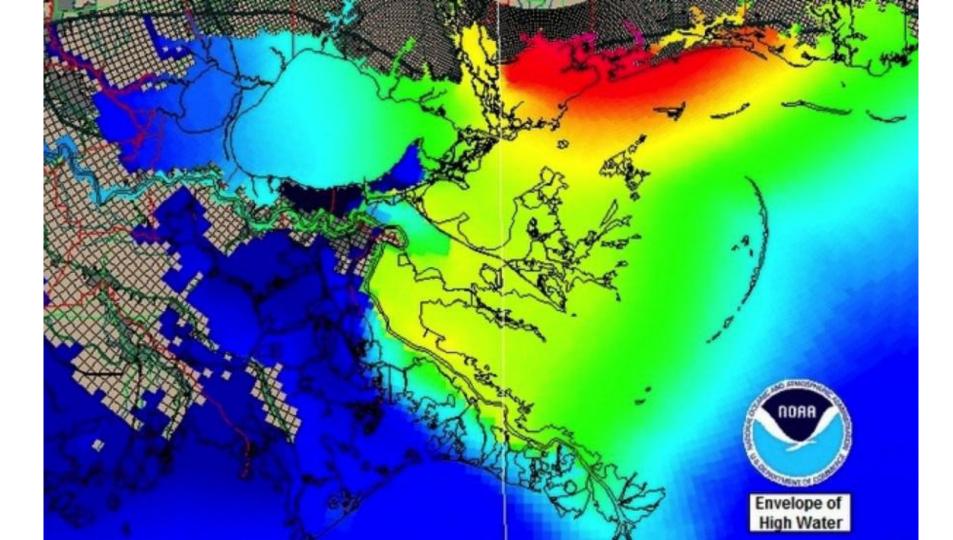
# Information design for the human brain

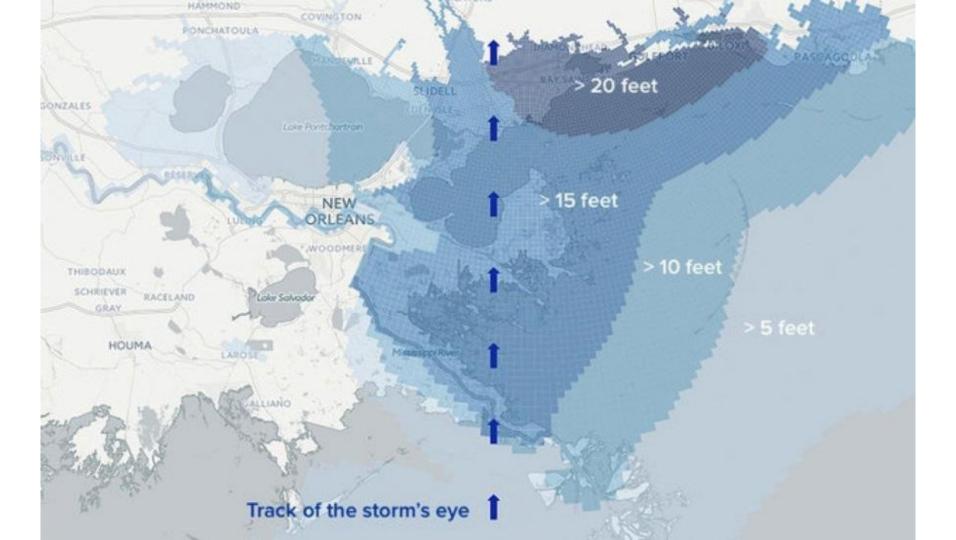
NICAR 2016, Denver, Friday, March 11 Alexandra Kanik

@act\_rational

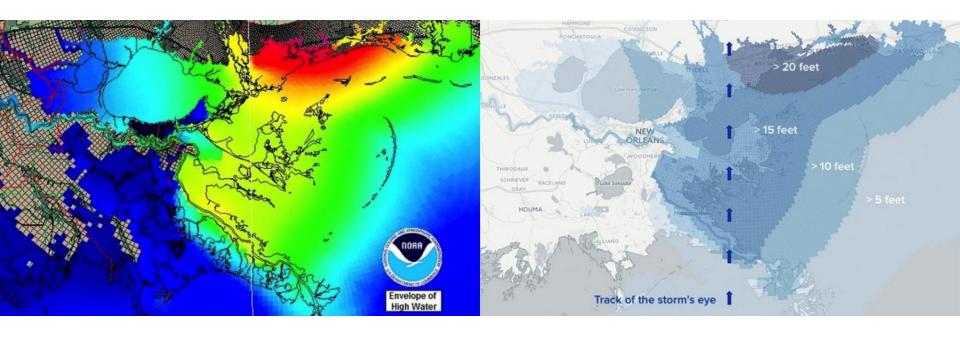
### publicsource.org metricshift.org

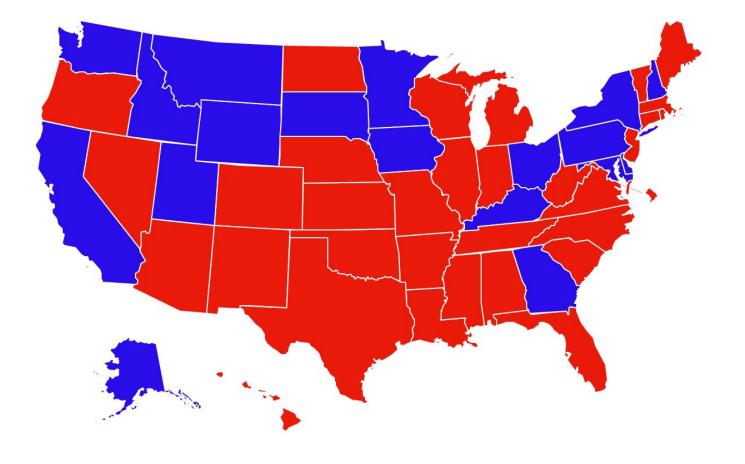
### THE IMPORTANCE OF COLOR



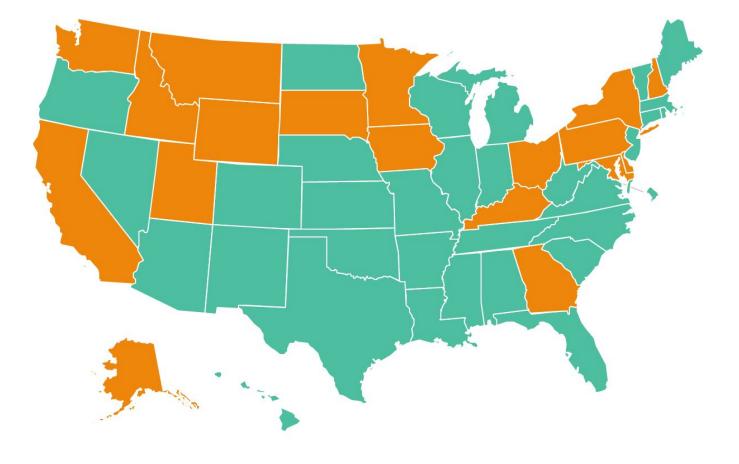


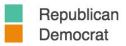
#### Don't make people's brains work harder than they have to.











### The Stroop Effect

## RED

## RED

#### Say the words

Red

Black Black

Brown Brown

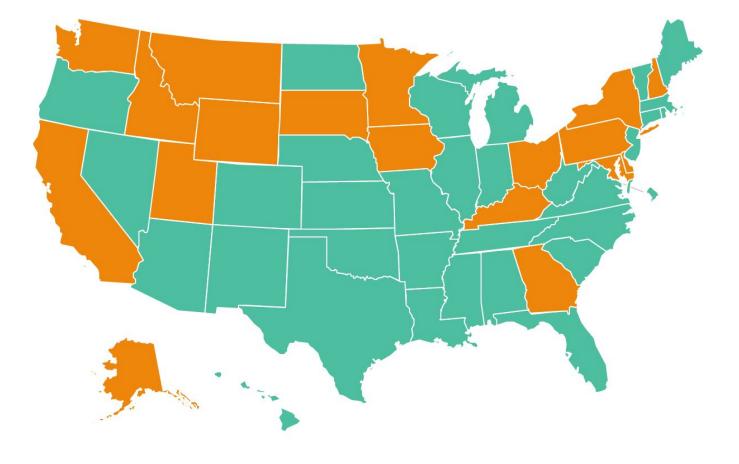
Orange Orange

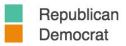
Pink Pink

Green Green

#### Say the colors







SPATIAL

VS.

1

#### Fractions of a Second: An Olympic Musical

At the Olympics, the blink of an eye can be all that separates the gold medalist from the 10th-place finisher. In some events, this is obvious. But in others, with athletes racing one by one, the closeness of the race is harder to perceive. Listen to the differences below.



#### Alpine skiing

The women's downhill course was extremely tiring, and, because it was more challenging than the men's course, it ended up separating the skiers by much larger margins. This pattern appears in the two speed events: the downhill and the super-G.

		WINNING	SECONDS BEHIND GOLD MEDALIST																		
		TIME	0	0 0.2		25 0.5		0.5	5 0.		0.75			1		1	1.25				
PLAY ▶	Women's Downhill	1:44.19	•						0										j	00	
PLAY ▶	Men's Downhill	1:54.31	•	00	0	00		0	0 00		•		00		0 0	0	•		00	•	
PLAY ▶	Women's Super-G	1:20.14	•					•			0	0			•		0 (	0 0			
PLAY ▶	Men's Super-G	1:30.34	•			0 000	0	0	0		•	00		•	0 00			•			
PLAY ▶	Women's Super Combined	2:09.14	•										0					0 0	0		
PLAY ▶	Men's Super Combined	2:44.92	•			•	0			•		•				•	•				
PLAY ▶	Women's Slalom	1:42.89	•				•							•				•			
PLAY ▶	Men's Slalom	1:39.32	•	)	0		0	0				0		0	•			•	0	00	
PLAY ▶	Women's Giant Slalom	2:27.11		0			0	0 0	0	(		00		0 0			0 0		•		
PLAY ▶	Men's Giant Slalom	2:37.83	•				•			•	0		0	0		0	0	0			

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At the Olympics, the blink of an eye can be all that separates the gold medalist from the 10th-place finisher. In some events, this is obvious. But in others, with athletes racing one by one, the closeness of the race is harder to perceive. Listen to the differences below.



#### Alpine skiing

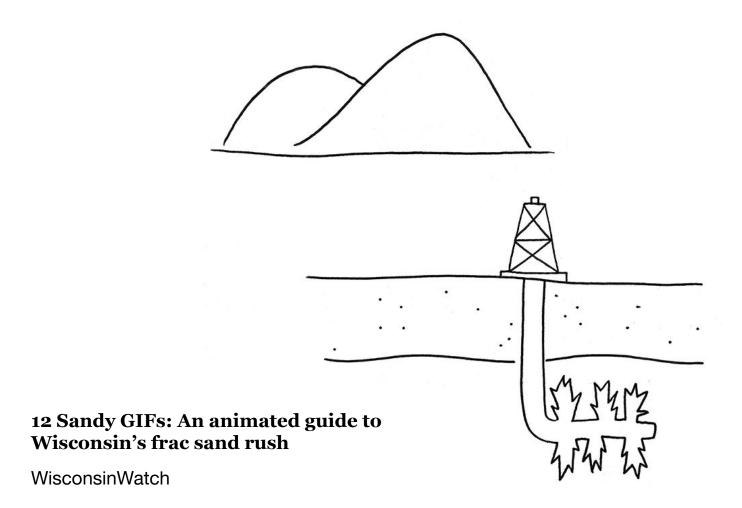
The women's downhill course was extremely tiring, and, because it was more challenging than the men's course, it ended up separating the skiers by much larger margins. This pattern appears in the two speed events: the downhill and the super-G.

		WINNING TIME	SECC 0	ONDS BI	EHIND G 0.25	OLD MED		0.5	0.	75		1		1.2	5		
PLAY ▶	Women's Downhill	1:44.19	•														00
PLAY ▶	Men's Downhill	1:54.31	•	00	0	00		00 00	•	•	00		0 0 0		0	0 0	•
PLAY ▶	Women's Super-G	1:20.14	•				(	•	0	•	4	•	0		00		
PLAY ▶	Men's Super-G	1:30.34	•			000 0		0 0	00	0 (	)	0 1	00	0		0	
PLAY ▶	Women's Super Combined	2:09.14	•		0						0	•			1	00	
PLAY ▶	Men's Super Combined	2:44.92	•			0 0			0	1				0	0		
PLAY ▶	Women's Slalom	1:42.89	•				•					•			•		
PLAY ▶	Men's Slalom	1:39.32	•		•		0	0		0		•	0		•	0	00
PLAY ▶	Women's Giant Slalom	2:27.11	0 0	•		1	0	0 0	•	0.0		0 0		0	•	4	
PLAY ▶	Men's Giant Slalom	2:37.83	•			•			• •		0 (	0 0		•	•	•	

Speaking of sequences...







## How Texas shifted from blue to red





LIEUTENANT

**GOVERNOR** 



**ATTORNEY** 



COMPTROLLER



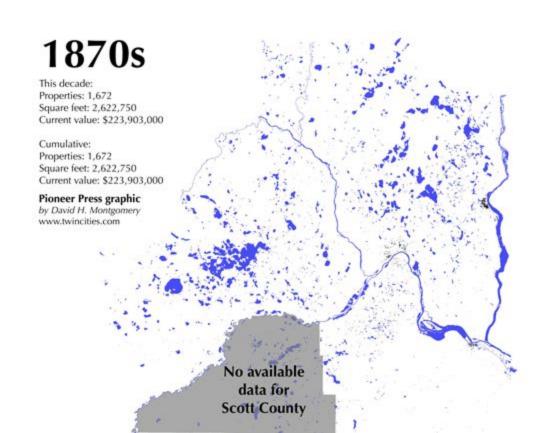


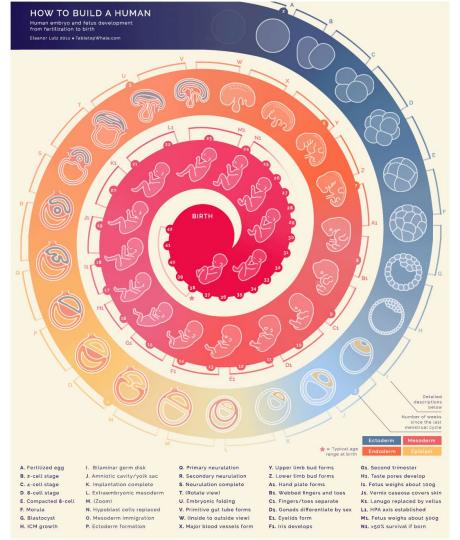




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BuzzFeed



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scientific benefits of the animated gif.	

If you're a coder, here's a fun command-line guide on how to turn your screencast into an animated gif.

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