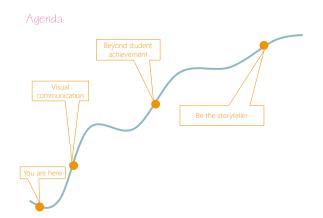


Make the connection

Student growth to teacher action

Tara Richerson ASCD Annual Conference March 27, 2017



Visual communication

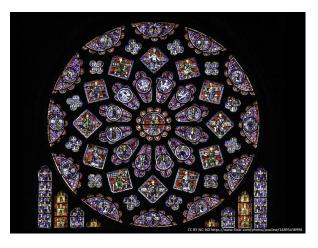


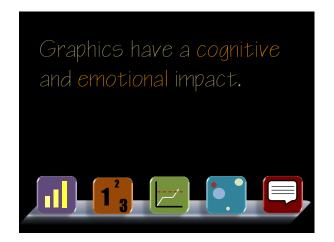














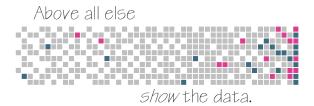
We can do better

Student	Item Number				
	1	2	3	4	5
Anderson, Melanie	1	0	0	0	0
Dalton, Craig	1	1	1	0	0
Gallego, Peter	1	1	1	1	1
Herrera, Sylvia	1	1	0	1	0
LaCrosse, Martin	1	1	1	0	0
Peterson, Michelle	1	0	1	1	0
Sanders, Karen	0	0	0	0	0
Walters, Darren	0	1	1	0	0
Wu, Alice	1	1	0	0	0
Sanders, Karen Walters, Darren	0 0 1	0 1 1	0 1 0	0 0	0 0

Turn and talk

- 1. What are the **stories** you wish could be told about your staff, students, or school?
- 2. What are your successes and challenges with conveying both a cognitive and emotional impact with data?

E



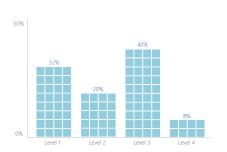


Distribution of scores

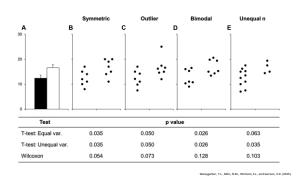
Grade 3 performance on 2015 ELA Smarter Balanced assessment n = 69

30.4%
28.9%
17.3%

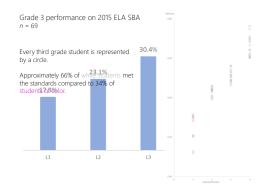
Distribution of scores



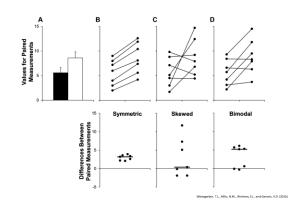
Bars summarize diverse data



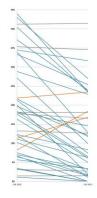
Distribution of scores



Bars summarize diverse data



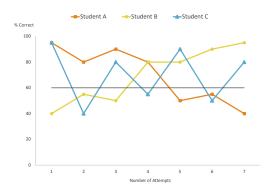
Show the data



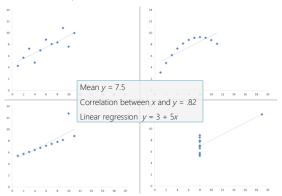
How has the percent of Ds and Fs assigned by teachers changed?

- 30 teachers assigned fewer Ds and Fs
- 7 teachers assigned about the same percent of Ds and Fs
- 3 teachers showed an increase in the percentage of Ds and Fs assigned to students

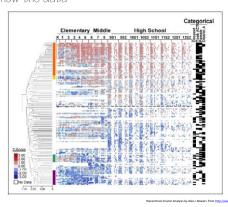
Who packs your parachute?



Anscombe's quartet



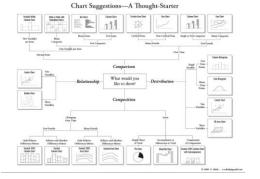
Show the data



Beyond achievement

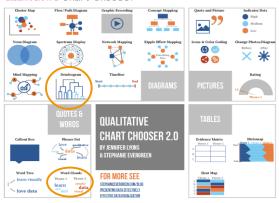


Quantitative chart chooser



or, visit http://www.datavizcatalogue.com/index.htm

Qualitative chart chooser



What happens?



What matters?



What matters most?

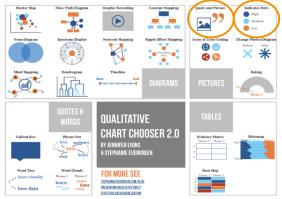
attendance communication compassion curiosity data fun guidance humor improvement joy kids kindness learning love materials peace planning reading relationships respect responsibility stories SUCCESS teachers teaching

Are students who take Algebra Skills on track for college?

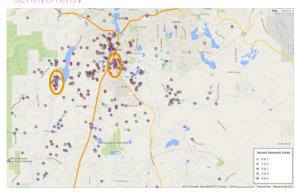
Against 11

Against 119

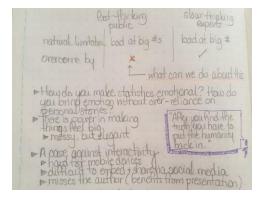
Qualitative chart chooser



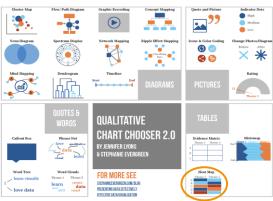
What is the relationship between neighborhood and achievement?

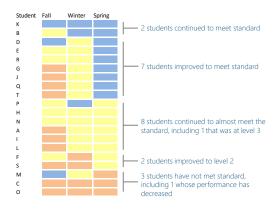


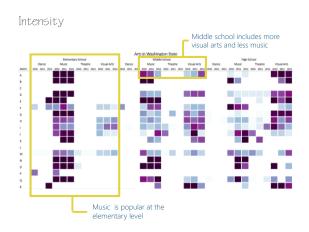
Quotes and pictures



Qualitative chart chooser







We can cluster information to identify patterns. Ottlivering frozventations; cheld hat a sl deganized hoy, levelyand, year. engagement is represented when present.

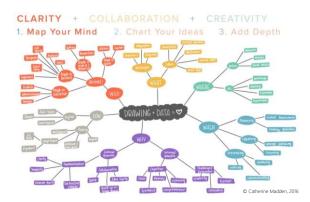
Turn and talk **⊕** ⊚ QUALITATIVE CHART CHOOSER 2.0 FOR MORE SEE

How do you use qualitative displays?

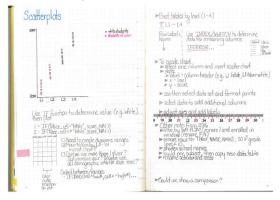
5

Create the narrative

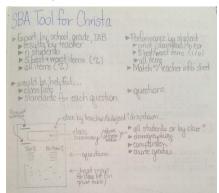
The power of drawing



Draw for clarity



Draw for clarity



Draw for clarity





Draw for clarity



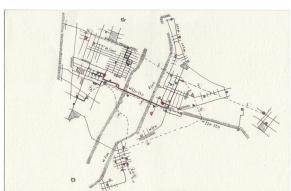


Draw for clarity





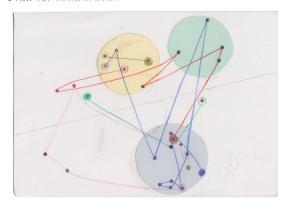
Draw for collaboration



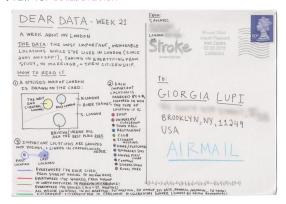
Draw for collaboration



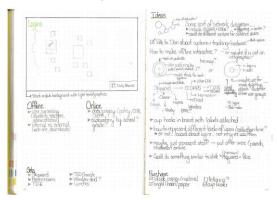
Draw for collaboration



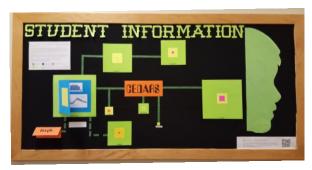
Draw for collaboration



Draw for creativity



Draw for creativity



Make connections

Relationship between sixth grade student performance on the state ELA exam and incidents resulting in suspension or expulsion.



Does attendance influence achievement?



Small multiples enable simultaneous comparison among groups to observe patterns.





Student perceptions





science_goddess

