Infographics E-VOLVING INSTRUCTION

FOR VISUAL LITERACY

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uofginfographics.wordpress.com

Active Learning

• Techniques used in our workshop

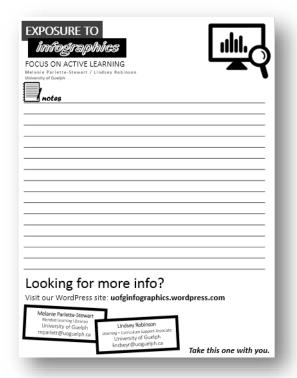
Readings

- Standards
- Further Readings

Tools + Resources

- Infographics Tools (visual.ly, piktochart and more)
- Infographics / Visualization websites (see what others are doing)
- Teaching with Infographics (Education Resources)
- Tutorials / How To's / Downloads

Contact









Take these with you.

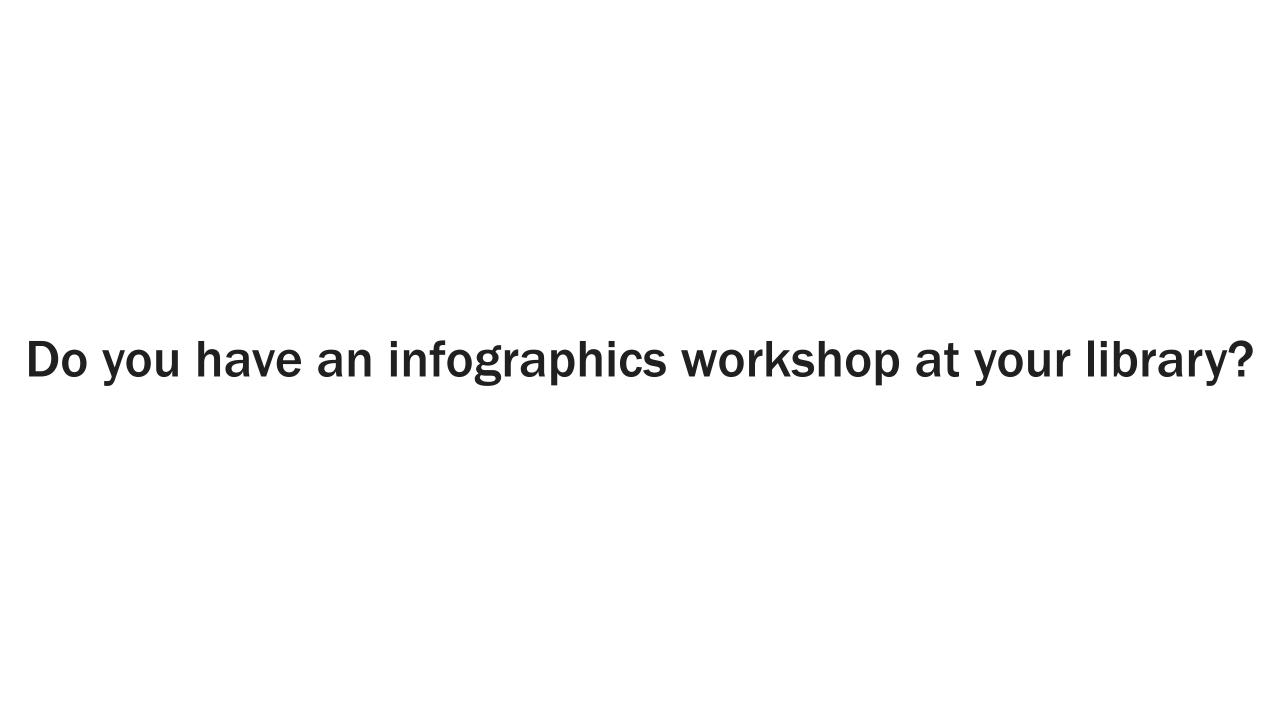
Leave these with us.

Agenda

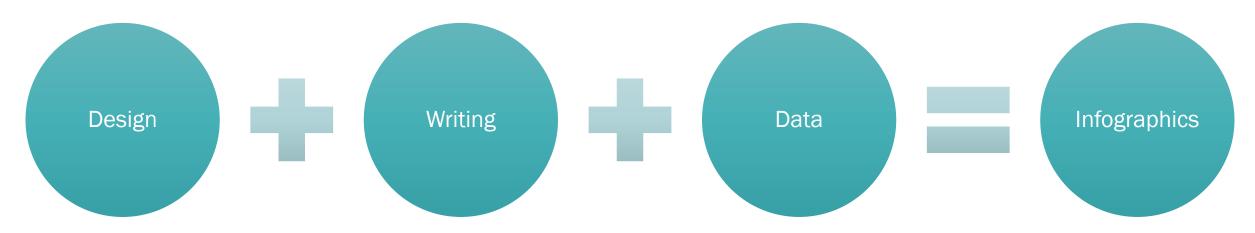
ACRL Visual Literacy Standards

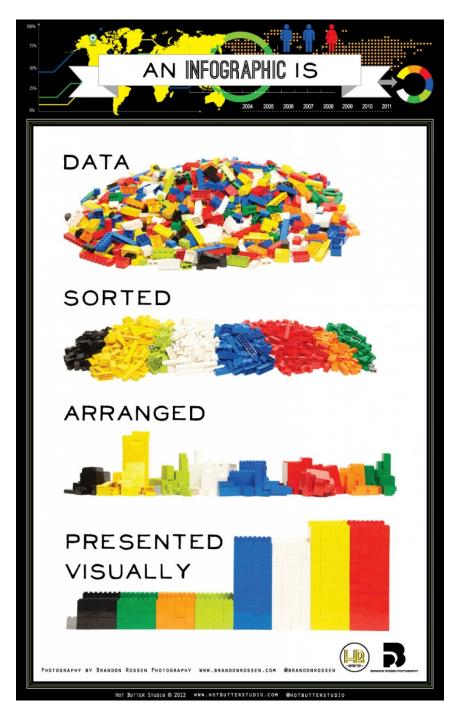
Infographics Workshop @ the University of Guelph

Next Steps

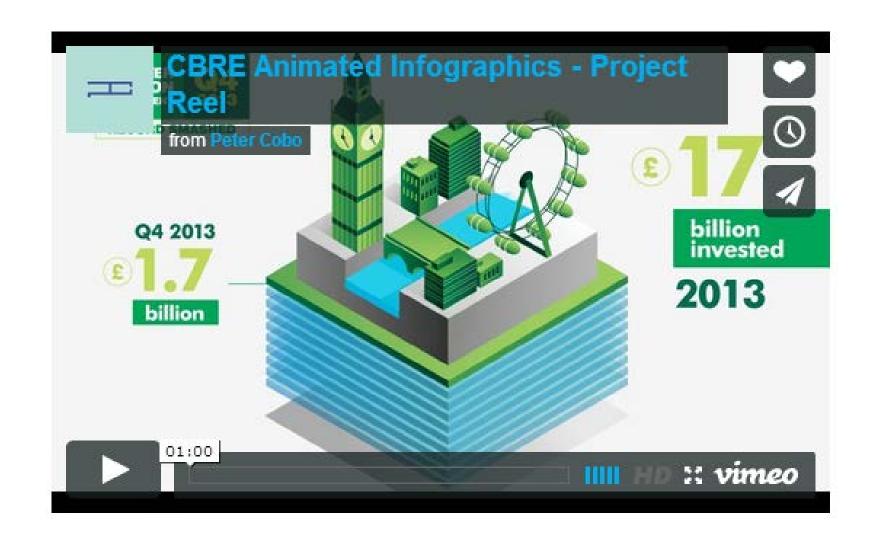


What is an infographic?



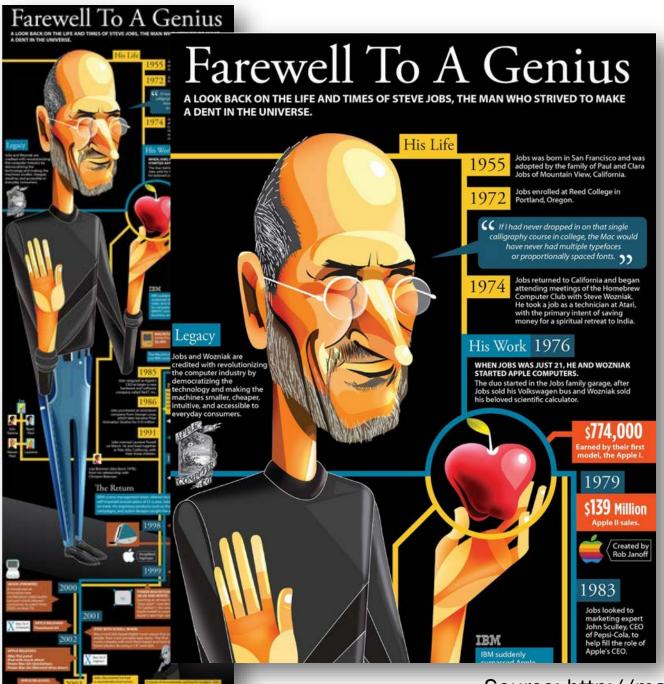


Source: visual.ly/what-infographic-2



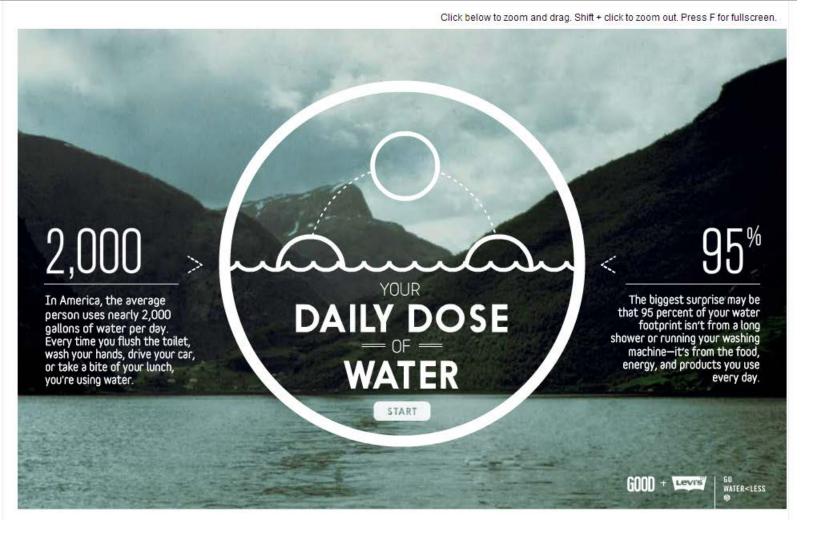
Animated

Source: http://vimeo.com/92595987



Timeline

Source: http://mashable.com/2011/10/11/life-and-times-of-steve-jobs/

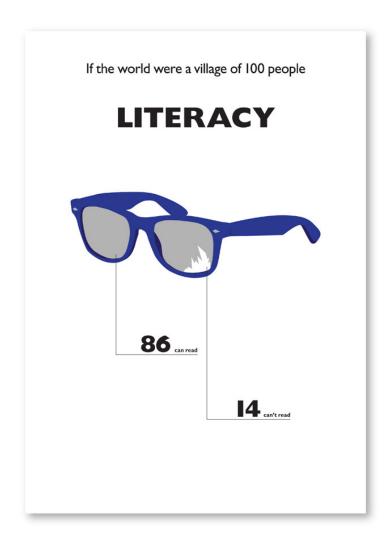


Interactive

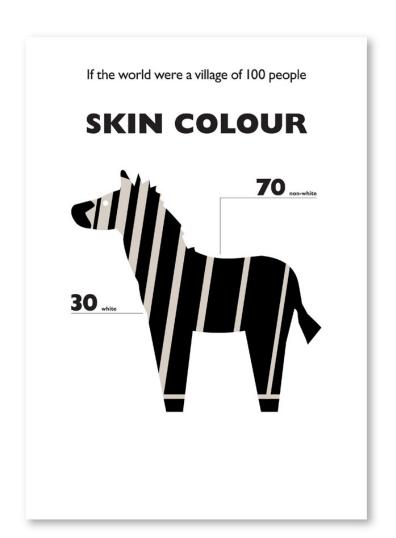


Long

Source: http://www.theguardian.com/film/picture/2013/aug/12/alfred-hitchcock-film-statistics

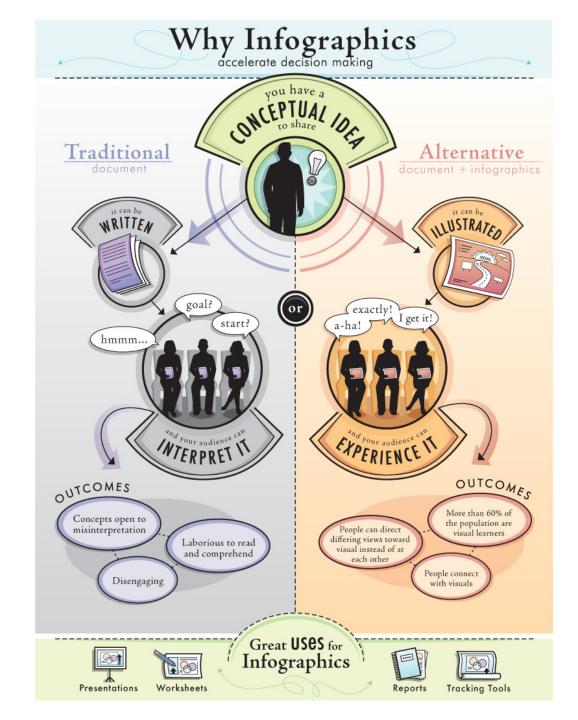


or



Short

Why should students care?





Forger about that image of librarians as mousy book worms. More and more of today's librarians are high-tech information sleuths, and dever interrogators, helping patrons plumb the oceans of information available in books and digital records.

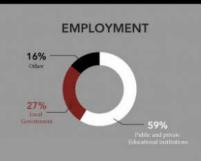
What are librarians worth? We will take a look at the numbers and facts on librarians and the libraries they work in.





WHAT ARE LIBRARIANS WORTH AROUND THE WORLD? AVERAGE SALANIES FOR LIBRARIANS AND PEOPLE WORKING IN THE EDUCATION SECTOR TO RINGOOM 22/195 FRANCE 527-645 STANY 522-681 BRAZIL 51-684 BRAZIL 51-684 BRAZIL 51-684



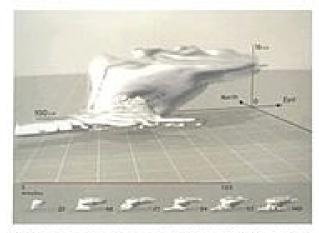


Why should libraries care?

Source: wiredacademic.com/2012/03/infographic-a-librarians-worth-relevance-around-the-world/

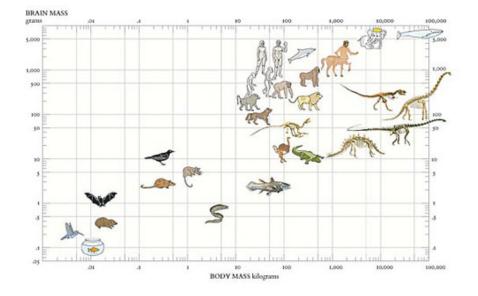
EDWARD R. TUFTE

VISUAL EXPLANATIONS

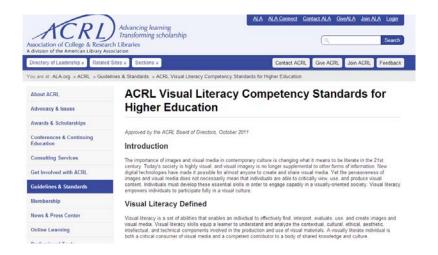


IMAGES AND QUANTITIES EVIDENCE AND NAMEDATIVE

Tufte?



Source: edwardtufte.com



Visual Literacy Standards

"Visual literacy is a set of abilities that enables an individual to effectively find, interpret, evaluate, use, and create images and visual media." Evaluate Images and their sources.

Design and create meaningful images and visual media.

We chose two.

Introduction to Infographics at the University of Guelph

Development



Old Supplemental Program New
Self-Directed
Program

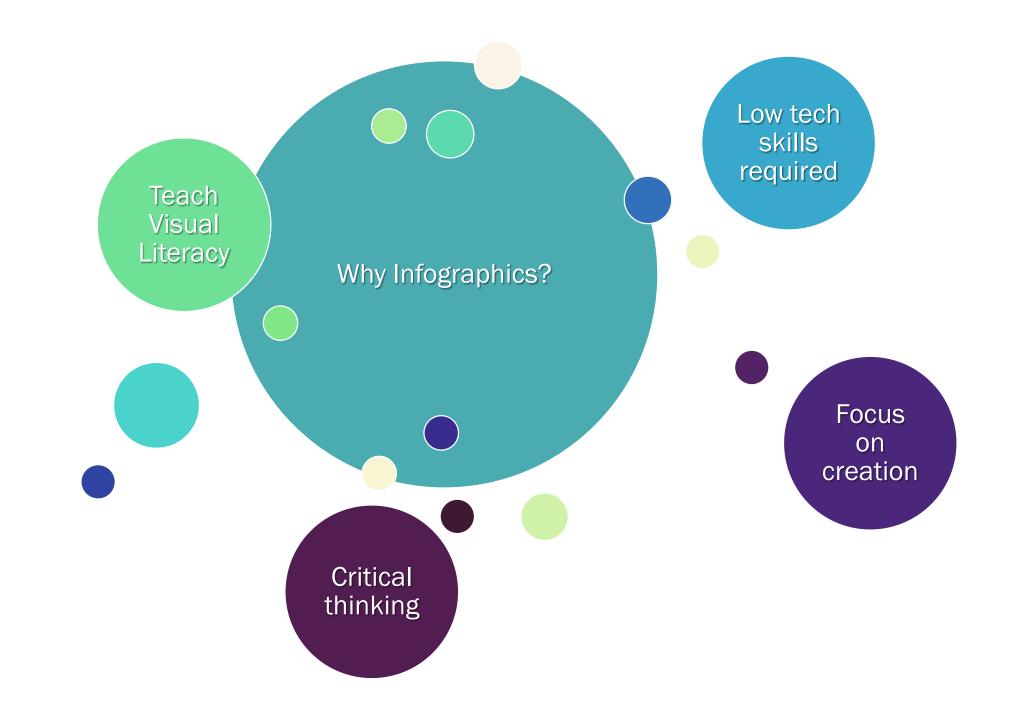
RefWorks

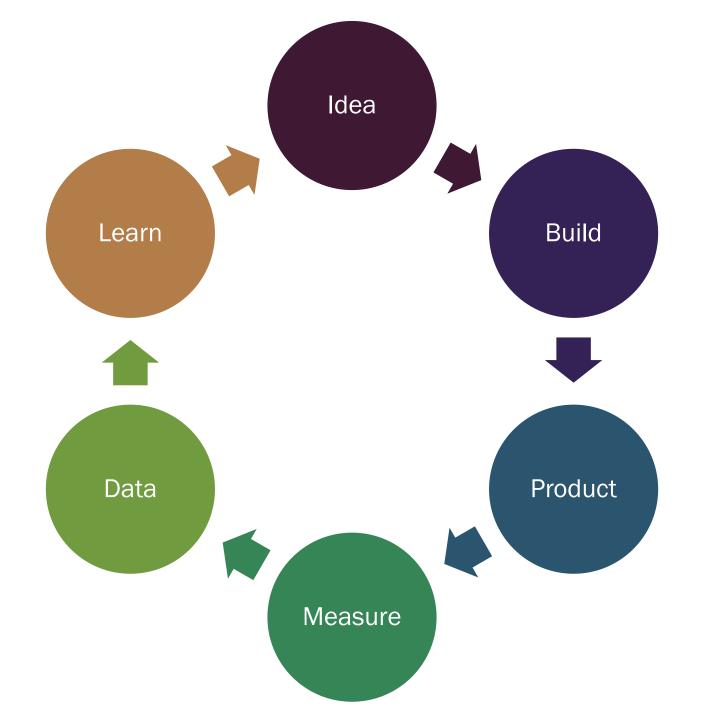
Research in 8 ¹/₂ Steps

Introduction to Infographics

Information Literacy

Multiliteracies





Lean Startup Method



Source: fastcodesign.com



Define what an infographic is

Identify why infographics are used

Identify and apply the criteria to judge an infographic

Create a basic picture infographic

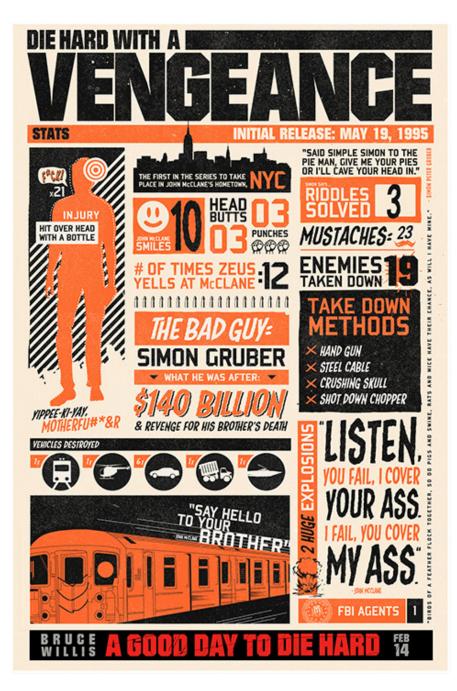
Learning Outcomes

Active Learning: Open Ended Question

 Students are eased into the workshop environment with a simple questions: "What the heck is an infographic?"

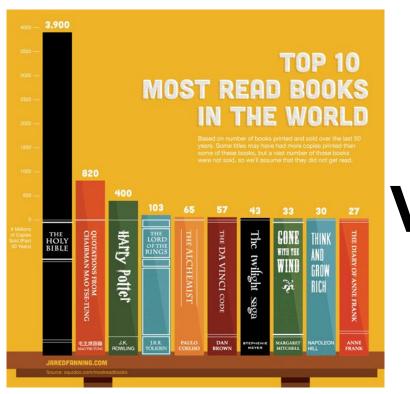
 Provides an opportunity to voice prior knowledge as well as creating an encouraging environment.

Evaluation Criteria

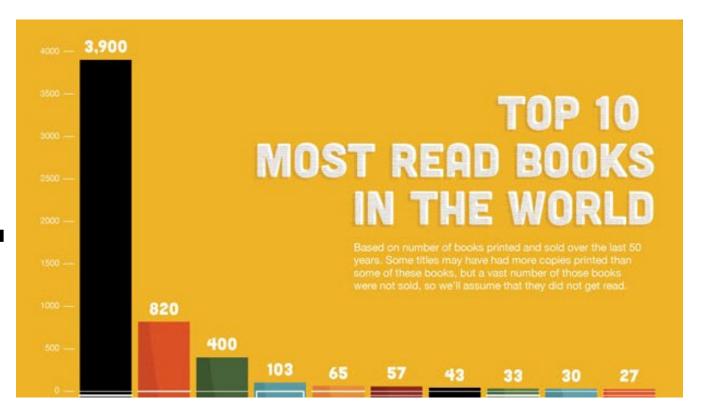


Evaluation Criteria: Does it tell a story?

Source: http://popwatch.ew.com/2013/01/30/new-die-hard-with-a-vengeance-infographic-tells-story-of-movie-by-the-numbers-exclusive/







Evaluation Criteria: Does it use good/useful data/information? **Is it an infauxgraphic?**Source: http://timoelliott.com/blog/2013/07/what-are-infauxgraphics.html





Thinking Critically About Data

3 weeks ago • 21 views

This short Library video will give you some tips for thinking critically about data.

Not all data is created equal and you want to make sure that the data you include is credible a...

CC



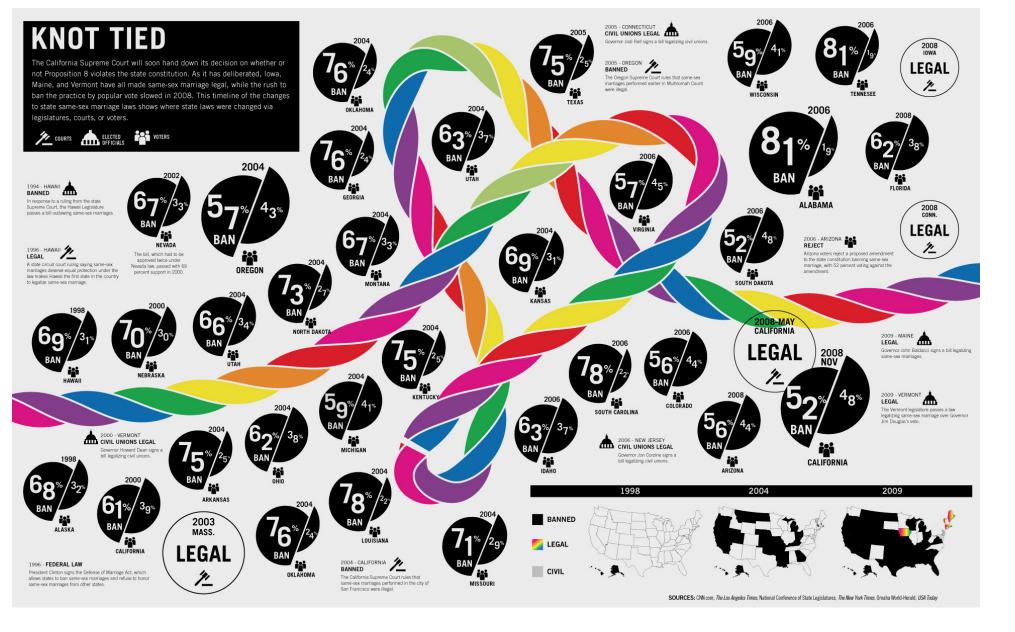
What is Data?

4 weeks ago • 38 views

This short Library video will introduce you to the basics of data. You'll learn what data is, why we use it and how it is collected

CC

Evaluation Criteria: Does it use good/useful data/information?



Evaluation Criteria: Does the Visual Style help/hinder?

Source: http://danizablu.files.wordpress.com/2011/02/badinfo.jpg



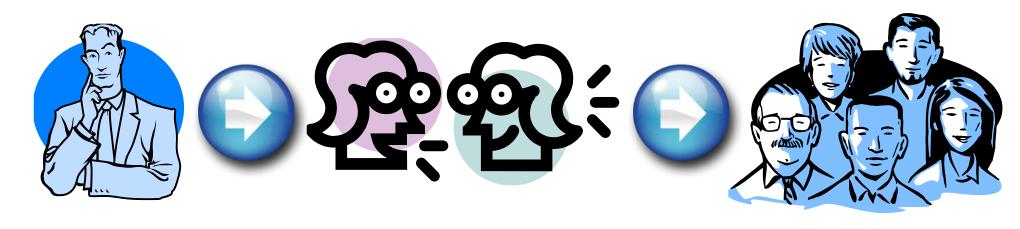
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boomm.com

Evaluation Criteria: Should the content be in an infographic? All info / no graphic.

Active Learning: Think-Pair-Share

- Students were given an infographic to evaluate. They had a moment to study the elements, and then paired with a student to discuss their views.
- The class rejoined as a larger group and held a discussion.
- It provided the students with an opportunity to think critically and apply knew knowledge.



Active Learning: Hands-On Activity

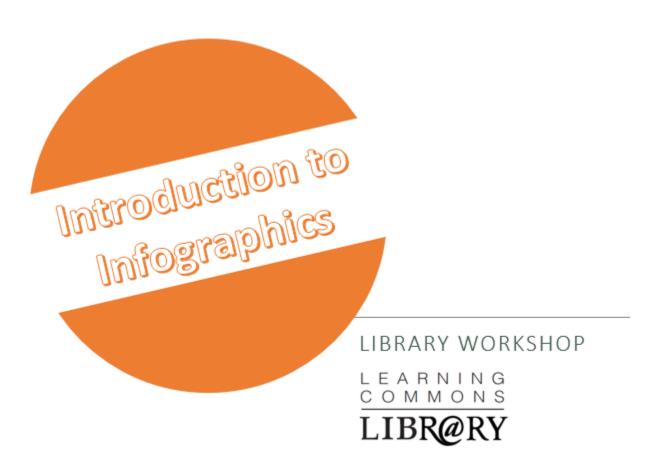
- By far the most challenging, students are paired and provided with a simple statistic and asked to represent it visually. They are challenged to think of ways to create a simple photographic infographic in a very short period of time.
- Once the photo is taken, they work together to edit the image in PowerPoint.
- A simple guide to using the design features of Power Point is provided.

Active Learning: Share & Reflect

 At the end of the workshop, the final products are presented and each student shares what they enjoyed most about the project and what they found challenging about the process.



Our Experience



User Groups

Staff

- Openness to try new things varies
- Varying tech skills
- Out of comfort zone
- Over analyze

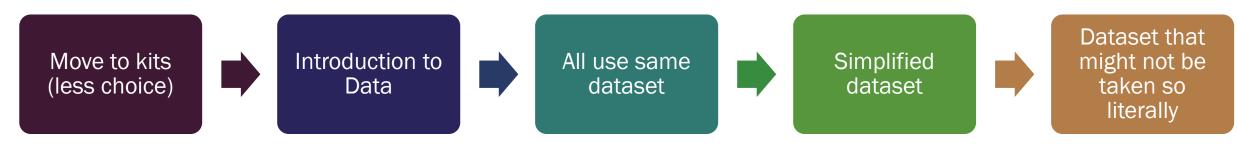
University Students

- Out of comfort zone
- Completed the activity
- Positive Feedback
- Excited about opportunity

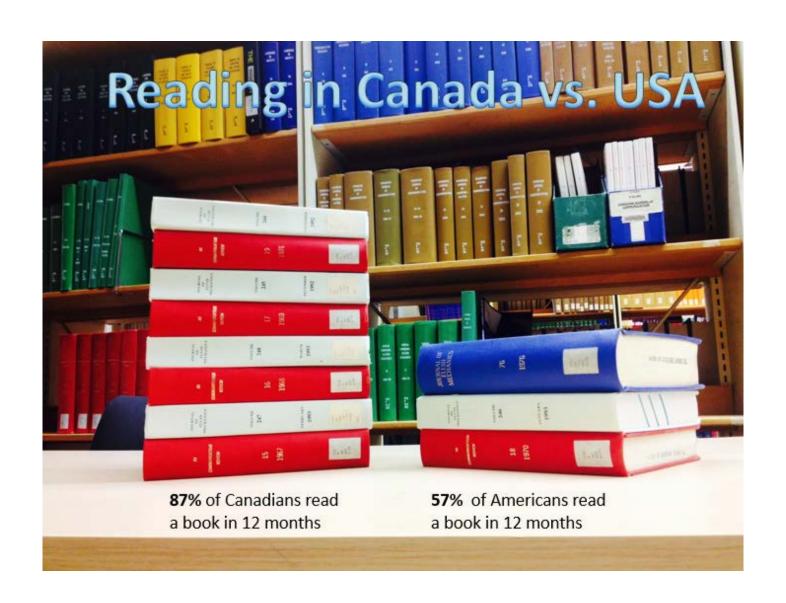
High School Students

- Jumped right in
- Least hesitant
- Varying skill levels
- Very open

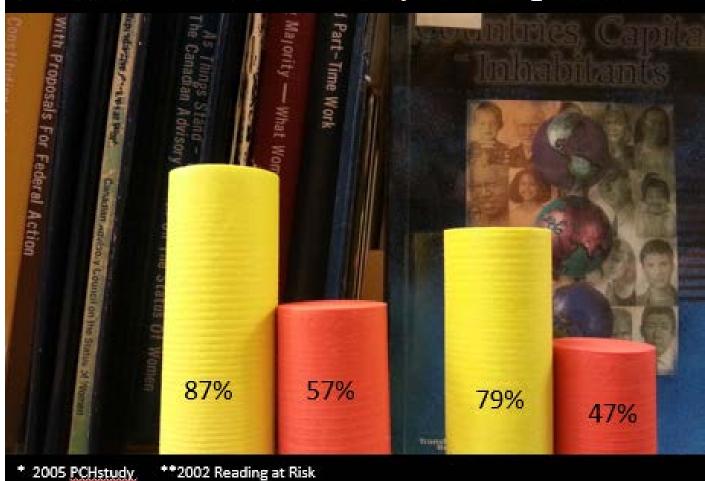
Continuous Improvement







Canadian* vs. US** Yearly Reading Rates



People came!

Data literacy component + partnership with Data Resource Centre

Lean Startup and Continuous Improvement

Challenge: Team Environment

Challenge: Outside of traditional scope

Challenge: Marketing

What did we learn?

What software?

Advanced Workshop

Collaboration opportunities?

Offer as an inclass option?

Rubrics

What comes next?

Activity: Advanced Workshop Brainstorm

Summary



References

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