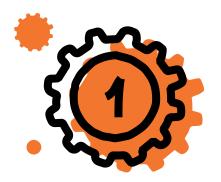


Infographics and Knowledge Translation

Samantha Chan & Tracy Fabri

Outline



About Infographics

A brief introduction & history

Infographics for Knowledge Translation

How they are used for KT



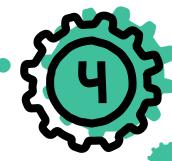


Impact and Useability of Infographics

A proposed study

Resources

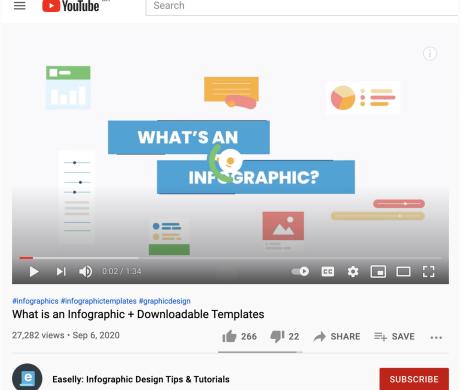
Links to useful references and guides







A brief introduction and history



https://www.youtube.com/watch?v=Yvo-mHq1ojU

History of infographics

Chauvet-Pont d'Arc Cave in France

Spray-shaped images found at the Chauvet-Pont d'Arc Cave in France were thought to depict the nearby volcanoes that erupted and expelled lava into the sky.

1764: Joseph Priestly's "Chart of Biography"

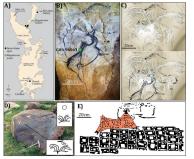
18th

Century

Illustrated the lives of ~2,000 historical figures on a timeline.

Two decades later...

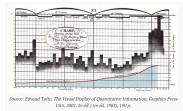
37,000 BC



Serra Da Capivara in Brazil

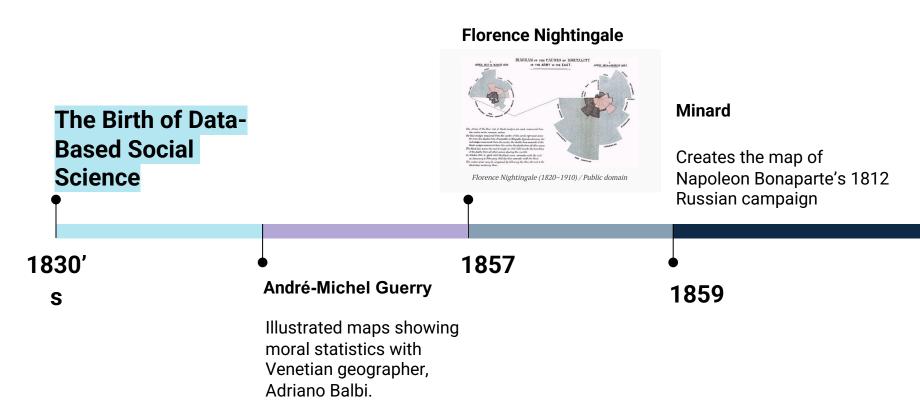
Rock art specialists propose that the rock art of Serra Da Capivara in Brazil, dating as far back as 36,000 years ago, are the origins of infographics.

Playfair; Minard; Beck

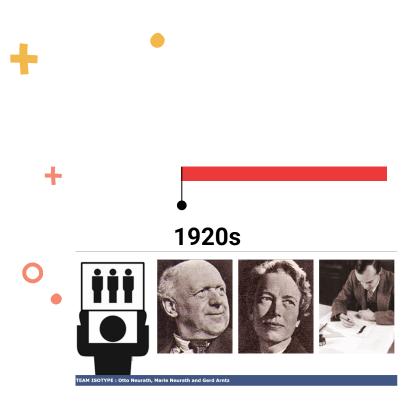


Nomade et al., 2016; https://www.easel.ly/blog/what-is-an-infographic/

History of infographics continued...



History of infographics continued...



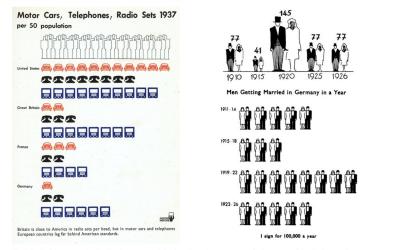


Fig. 2. Both of these example visualizations were made by Otto Neurath, a proponent of using arrays of simple pictographs to present quantitative information. The left image – published in 1937 – uses rows of pictographs to visualize the number of cars, phones, and radios in different countries. The right image – published in 1936 – shows two visualizations of the same data. Neurath insisted that stretching one pictograph (top) was inferior to stacking multiple small pictographs (bottom) [21].



Haroz; Kosara, & Franconeri, 2015; http://www.designhistory.org/Symbols_pages/isotype.html

History of infographics continued...

Harry Beck

Made the first map of the London Tube

*A milestone in infographic history as it proved that visual diagrams could

• be used for daily life.

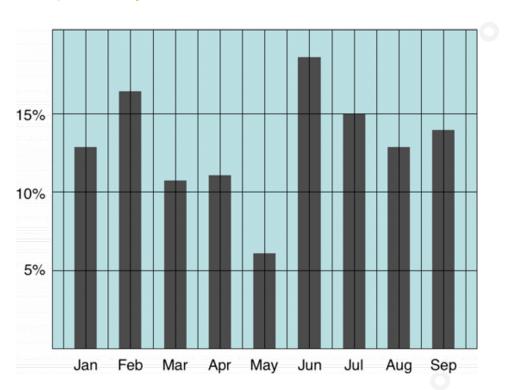
1933

1972

Otl Aicher



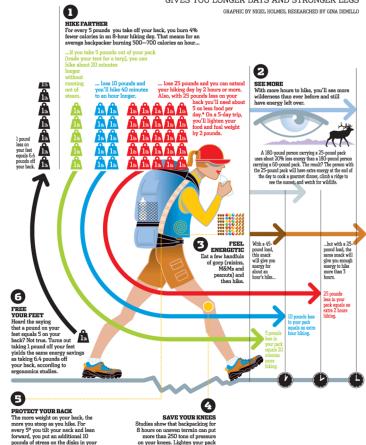
Tufte VS Holmes 1975...



The ultralight equation

* Based on a 3,000 caloriestay diet and the estimate that 1 oz food = 104 calories

SCIENTIFIC PROOF THAT TRIMMING OUNCES GIVES YOU LONGER DAYS AND STRONGER LEGS



by 10 pounds or more, and you

can reduce that strain by half.

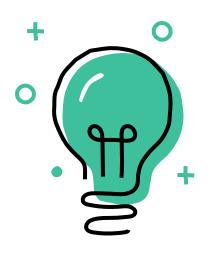
back, increasing your chances of

back and knee injuries.

Types of infographics

https://www.youtube.com/watch?v=jGURTUQMp3g&t=38s **Data** Visualization/Statistical **Visual Timeline Flowchart** List Infographic Resumes **Process Comparison Animated**

What makes an effective infographic?



Informational honesty



Complexity of content

Easy to read fonts, Limited colour palette, simple illustrations



Consideration of illustrations

Choose simple illustrations



What does it need?

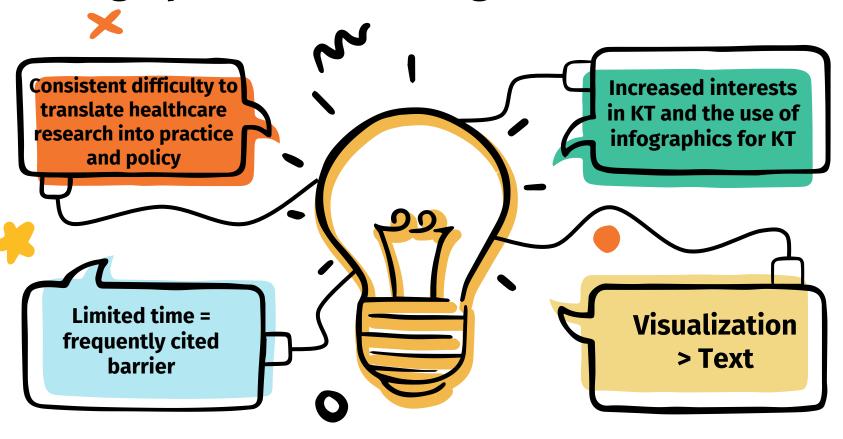
Will interactive elements be helpful or distracting?

https://www.easel.ly/blog/effective-infographic-design-checklist/



Infographics for knowledge translation

Infographics for knowledge translation (KT)



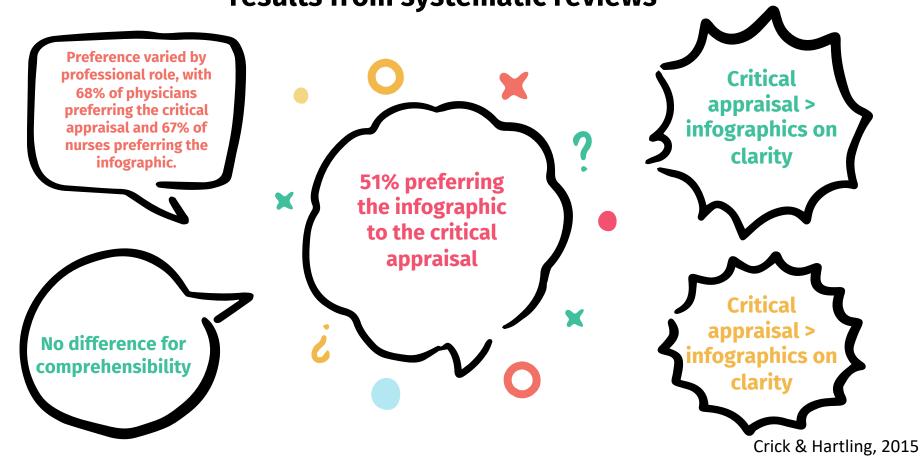
Infographics VS Critical Appraisals







Preferences of knowledge users for two formats of summarizing results from systematic reviews

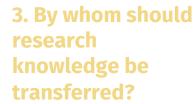


Knowledge translation of research findings

1. What should be transferred?



2. To whom should research knowledge be transferred?











4. How should research knowledge be transferred?

5. With what effect should research knowledge be transferred?

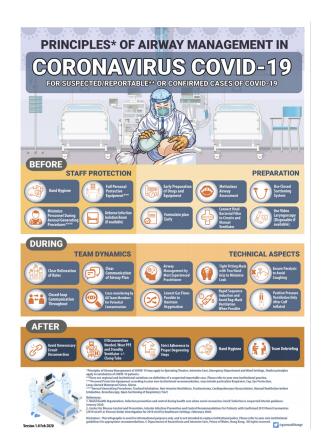


Infographics and Social Media as a KT Strategy

Social media for rapid knowledge dissemination: early experience from the COVID-19 pandemic

A. K. M. Chan, ¹ C. P. Nickson, ² J. W. Rudolph, ³ A. Lee ⁴ and G. M. Joynt ⁴

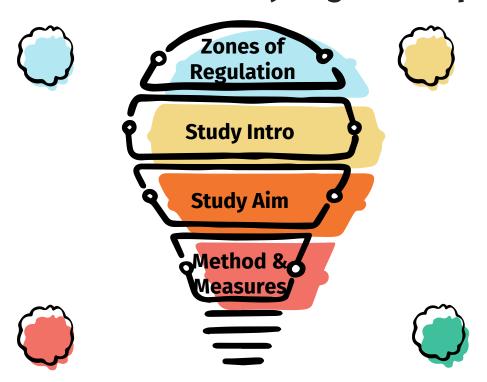
- Infographics disseminated via social media, including Twitter and WeChat and the departmental website
- Infographics were translated into 13 different languages within 10 days
- 63,440 interactions with the infographics on Twitter over a month
- Adopted by numerous reputable organizations



Part III

Impact and useability of infographics

Impact and usability of infographics amongst teachers introduced to the *Zones of Regulation* program



The **ZONES** of Regulation®

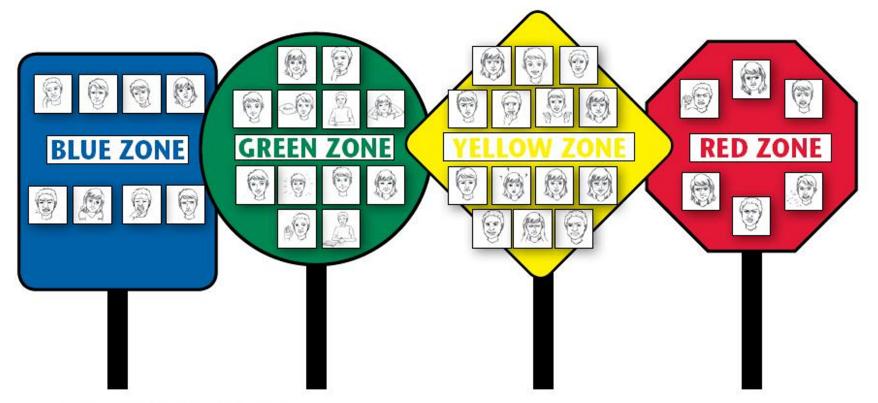
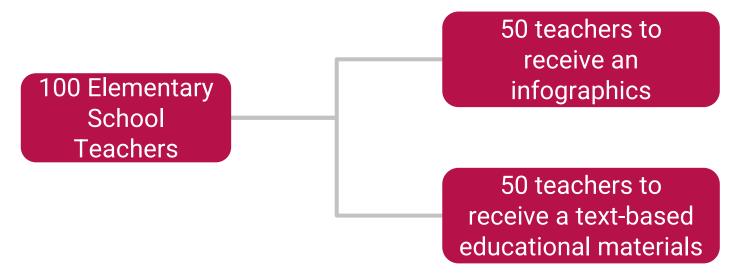


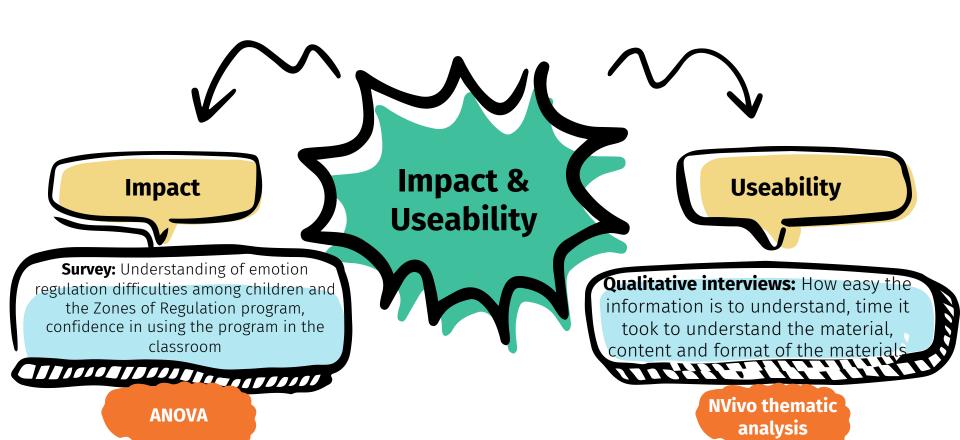
Figure 2: Wall Posters of the Zones

Introduction & Study Aim

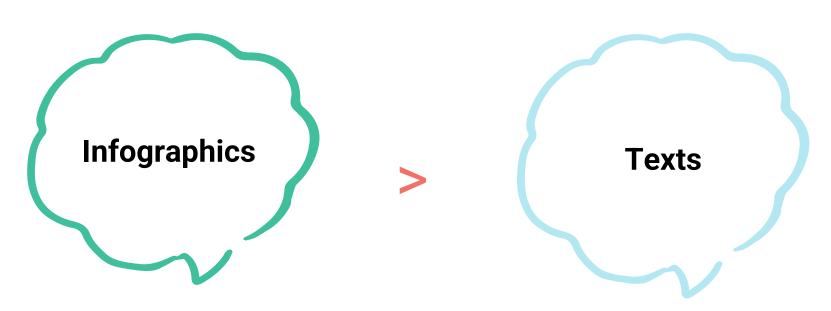
• Aim: to examine the *impact* and *usability* of infographics relative to text-based educational materials in promoting teachers' knowledge and confidence in the *Zones of Regulation* program.



Method & Measures



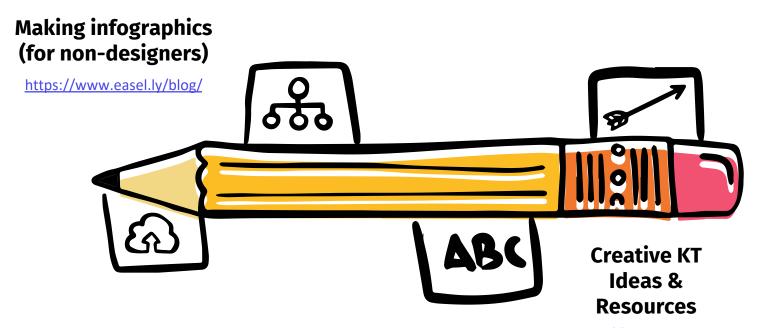
Expected Outcomes and Impact





Resources

Helpful links and resources



https://ktpathways.ca /system/files/resour ces/2019-02/if-resmhr-creative-kt.pdf

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