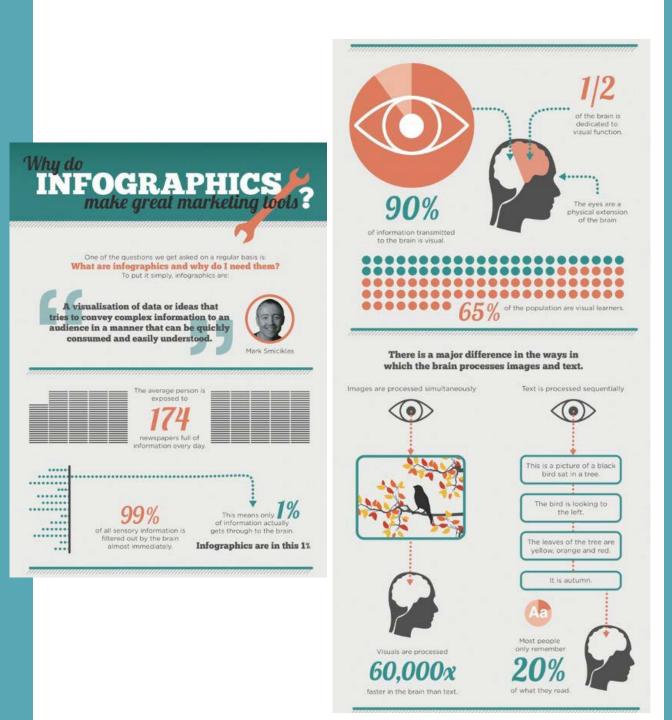
Infographic Design

Justin Brown, DVM

Slides adapted from Shannon Brown, University of Guelph

Infographic facts

- Infographics are 30x more likely to be read than text
- 65% of the population learns best visually than via text
- 50% of the human brain is dedicated to visual learning
- People tend to remember only 20% of what they read
- The human brain tends to filter out 99% of the sensory information it encounters
- However, it notices novel information

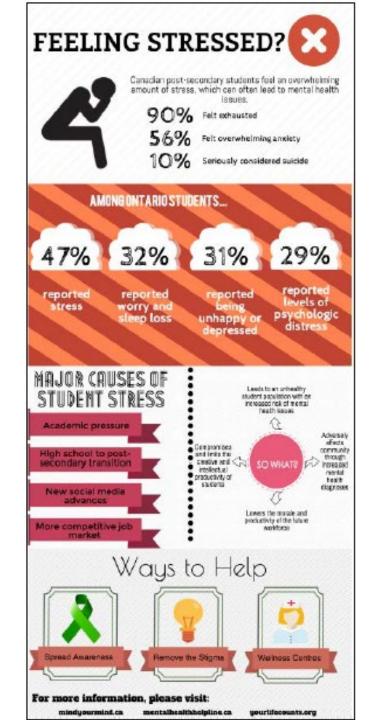


General rules

- Use text wisely: If the text was removed, could you still understand the idea your infographic conveys?
- Lean towards the visual: People are naturally drawn to images over text. The key
 point is that infographics are easy on the eyes and simple to read. Add icons to
 support and explain the text
- Include a visual hook: Capture the intended audience's attention. Ideally this also gives the audience an idea of what the infographic is about
- Visualize data consistently: Use consistent style and scale for your data visualizations throughout the infographic

Focus on

- Message
- Content
- Design



Message

- What are you telling the audience?
 - Why should they care?
 - Summarize what research is about
 - Highlight the impact

Content

- What do you include in the infographic?
- Plain, clear language
- Audience can understand the first time they read it

• Tips

- Avoid acronyms
- Use common words whenever possible
- Use technical terms only when necessary
- Organize information logically
- Write clearly
- Write concisely

Content

• Why should your audience care about your research?

- Distill the information
 - Make your title catchy and clear
 - Eliminate all but the vital information
 - Reduce information to concise statements
 - Reinterpret text as charts, graphs, icons, or illustrations

What NOT to include

- Long-form text, which contains more information, tends to cause the reader to tune out sooner giving them the opportunity to miss the point of your message......
 - Keep your message short
 - Keep your message engaging
- Do **not** mix text sizes
- Don't underline use *italics*

Design principles

- 1. Form
 - Visually appealing
 - Colours are harmonious
 - Well chosen typefaces
- 2. Function
 - Serves its purpose
 - Easy to read and understand
- 3. Feeling
 - Stays on message
 - Cohesive mood throughout
 - Evokes proper emotional response







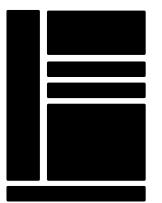
The placement of content should be balanced throughout the graphic.

Symmetrical: equal on both sides

Asymmetrical: skewed but uses white space

Radial: arranges objects around a central point

Symmetrical



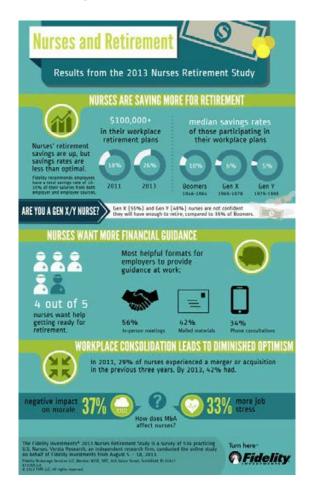




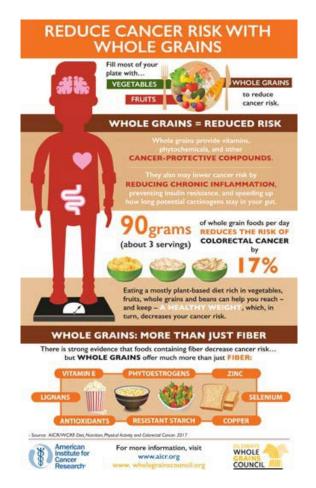
Radial

Layout - examples

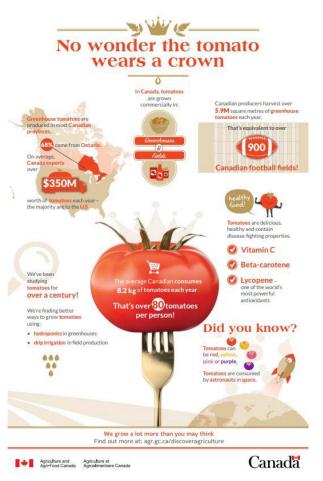
Symmetrical



Asymmetrical



Radial



Alignment

- Ensure that text and graphics are aligned. Use a template and gridlines to help align your elements to each other
- Aligning objects properly keeps a design clean and avoids the messiness of randomly placed objects.

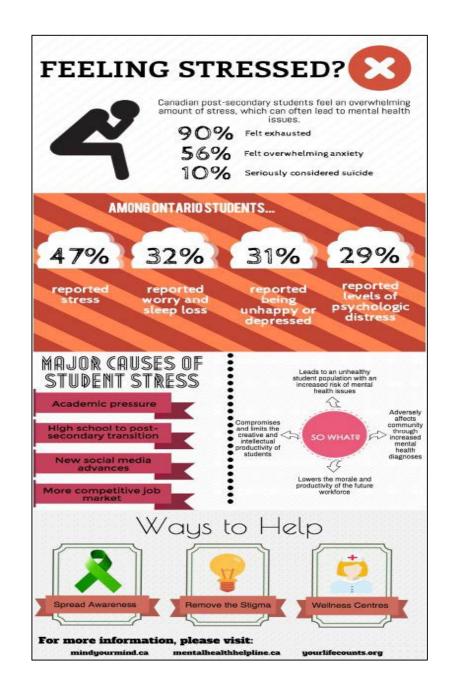
My Yearly Goals / 2017



https://blog.hubspot.com/marketing/infographic-design

Repetition

- Strengthens the overall look and ties different elements together to help keep them organized and consistent.
- Text, colour, background colour and image styles can all be used to achieve repetition.
- Can also be used to draw attention to an element.



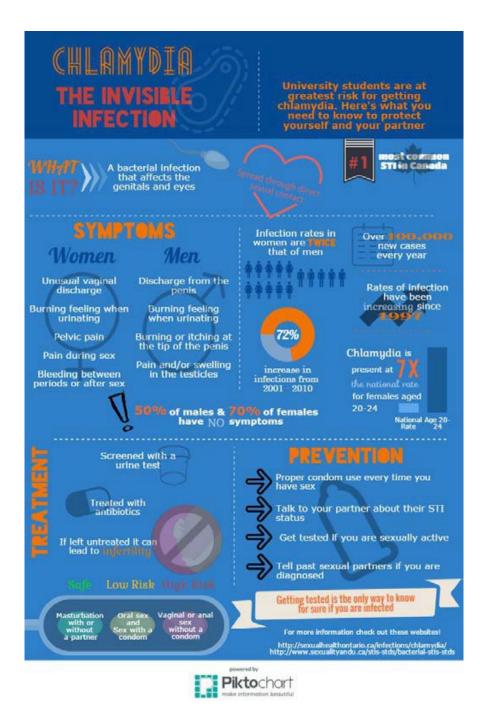
Proximity

 Creates organization by grouping similar or related elements together. Proximity can include visually connecting elements using placement, colour, typeface, size, etc.



Contrast

- Use contrasting colours to highlight the most important element of your poster
- Contrast directs your audience to what's most important



White space

- Avoid cluttering the design by leaving plenty of space between elements.
- Creates shape and can help highlight the most important pieces of information in your design.
- Never underestimate the power of simplicity.



NO WHITE SPACE

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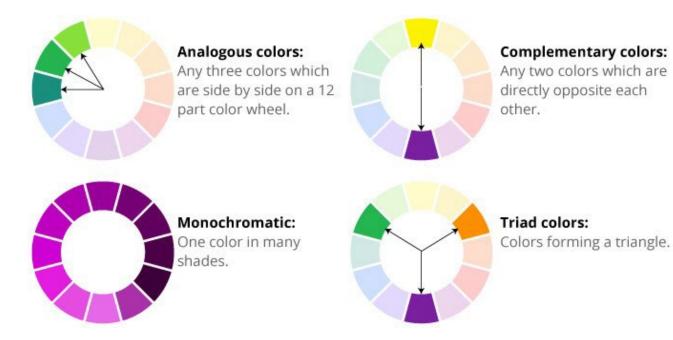
WHITE SPACE



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Colours

- Start with 1 or 2 harmonious colours
- Choose colours associated with your subject matter or that are prominent within the graphics of your project.



Typography

- Keep accessibility in mind!
 - Sans serif fonts known for clarity and legibility
- Font size is important!
 - Aim to not have text < 28pt
 - Vision issues
- Pick 2-3 fonts and stick with them for the entire poster
- It is always acceptable to use only one typeface and bold the heading.

- Sans Serif lacks decorative features on ends of letters.
 Cleaner and easier to read
- Serif contains decorative features on letters. Better for more traditional projects
- *Display fonts* –many different styles. Best for small amounts of text (titles, headers) and more graphicheavy designs

Steps for making an effective infographic

1. Story

Identify the key focus/story the infographic needs to convey to the audience. Pick 2-5 key findings to drive the story.

2. Think of the big idea

Think broadly beyond the narrow academic audience. Have a very explicit, catchy and simple headline.

3. Remember your audience

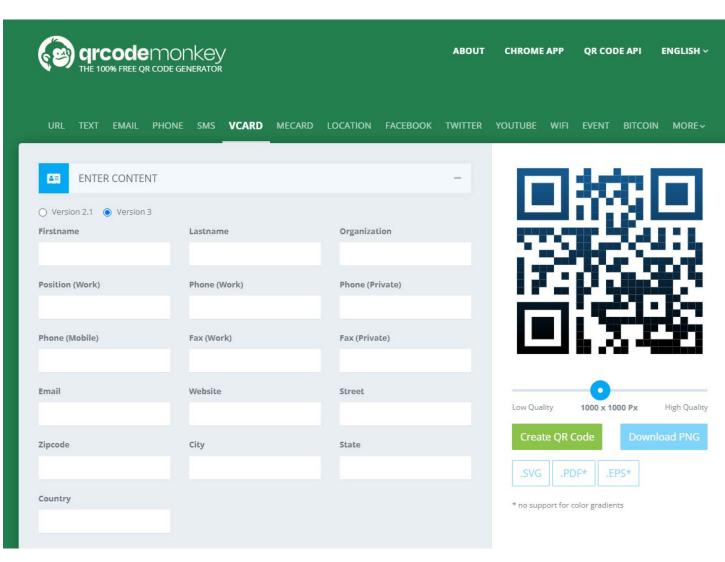
The aim is to make research accessible and they likely aren't familiar with your research area.

4. Design

Pick your images, icons, colour schemes and typography.

Include a QR code

- Use qrcode monkey
- Include your contact information
 - Name
 - Email
- Allows someone to contact you with questions if you're not present at your poster

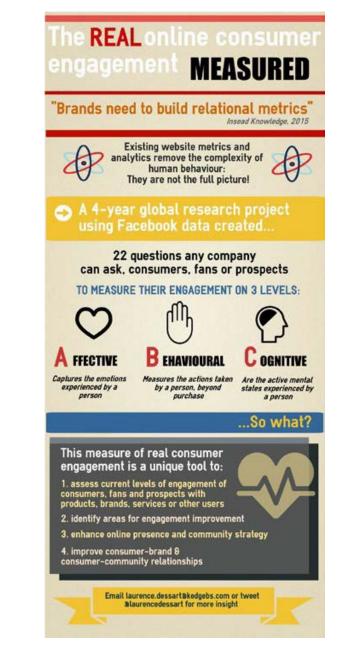


EXAMPLES

What have past students made?

Abstract to infographic

 This study advances the conceptualisation and operationalisation of consumer engagement in the context of online brand communities (OBCs). Past scholarship has only partially addressed the dimensionality of engagement and the different engagement foci, and these oversights have important theoretical and empirical consequences. This study contributes to the nascent stream of research that aims to theoretically refine and operationalise engagement by espousing the duality of engagement with two engagement foci (brand and community) and seven sub-dimensions of consumer engagement. Using qualitative data from consumers and experts, three survey data sets based on English and French samples, and two pools of mirrored items (one for each engagement focus), the study develops and validates a dual-focus 22- item scale of consumer engagement that can be used to operationalise engagement with various consumer engagement objects.





SPS SECURE PORK S		
SPS PLAN PORK PR		OFFICIALS TRAINING MATERIALS
Tashing Mankada Bowecunty Desas Montaring: Control Control Tanang Farms Oddraedh	Certified Swine Sample Collector Training Sample Collector training curriculum includes: • Angel and and and and and • Angel and and and • Angel and	16 Atterdiscillargery II Accredited Waterburgers Characteristics and the second second second second second second second second
	Training materials below are provided in English and Spanish.	





This project is funded by USDA's Animal and Plant Health Inspection Service through The National Animal Disease Preparedness and Response Program



Develop a curriculum and resources for a diagnostic sample collection training program to be implemented by category II accredited veterinarians for pig producers and pig industry personnel.

WHAT THIS MEANS FOR PORK PRODUCERS:

An increase in authorized individuals who have the ability to collect and submit diagnostic samples during a foreign animal disease response. **Contact your veterinarian to become certified in sample collection.**



VIDEO TUTORIALS

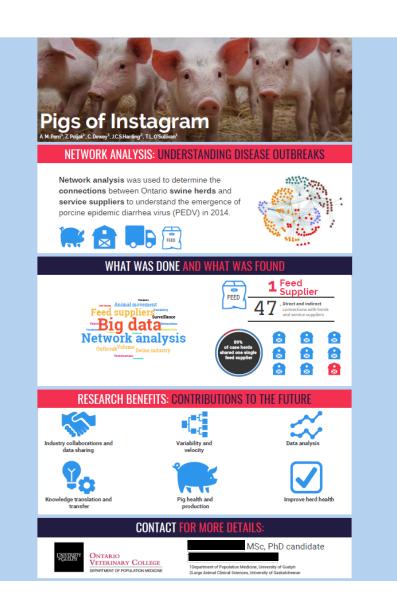
AVAILABLE IN BOTH ENGLISH AND SPANISH

Including: Restraint | Necropsy | Nasal Swabs Oral Fluid Collection | Processing Fluids Spleen | Tonsil | Tracheal Swab Lymph Nodes | Sample Submission Bleeding: Ear Swab | Bleeding: Finisher Bleeding: Prewean

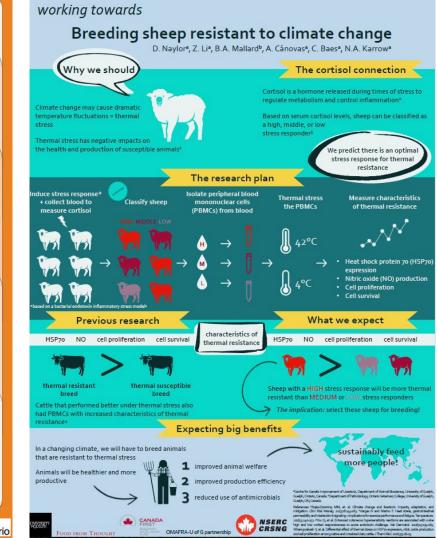


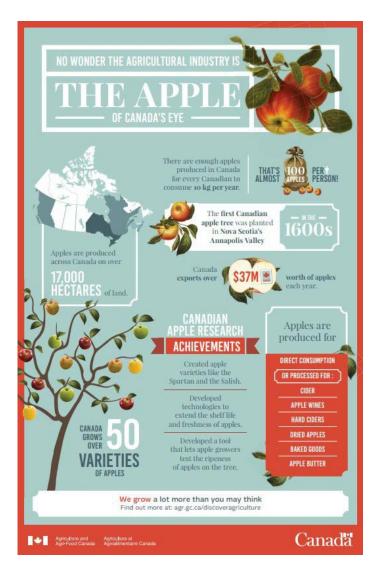
ENGLISH AND SPANISH

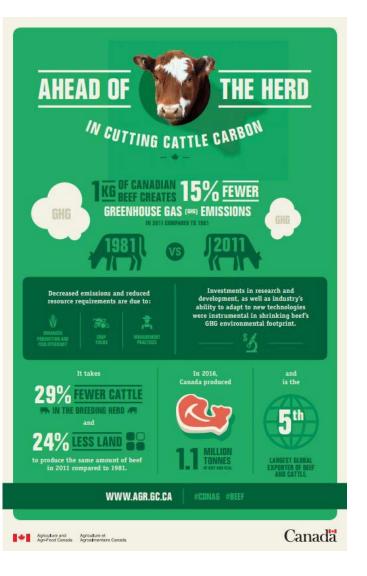
Handouts correspond to videos.













AAFC Infographics

http://www.agr.gc.ca/eng/about-us/publications/discover-agriculture/infographicsagricultural-products-and-their-impacts/?id=1530198199592 Infographics

Resources

Infographic creation -

remember size requirement 3.5' wide by 4'tall, landscape or portrait

- Piktochart.com
- Canva.com
- Venngage.com
- Infogr.am
- PowerPoint

Colours

- Flat colour ideas: <u>http://www.flatuicolorpicker.com/</u>
- Create colour combinations: <u>http://paletton.com</u>
- https://color.adobe.com/create
- Picking map colours: <u>http://colorbrewer2.org</u>

Contrast

https://contrastchecker.com/

Resources

• Plain language

- Plain language editor -<u>http://www.hemingwayapp</u>
 - <u>.com/</u>
- Free images
- https://www.pexels.com/
- https://unsplash.com/
- https://pixabay.com/

Free icons

- <u>https://thenounproject.com/</u> attribution depends on selection
- <u>http://aiconica.net/</u> no attribution required
- <u>http://flaticons.net/</u> no attribution required
- <u>https://www.flaticon.com/</u> attribution required