

Hello! I'm...

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Hello! I'm...

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Hello! I'm...

Jordan Dagenais, 2nd year PhD student in Rhetoric, Theory, and Culture specializing in technical communication after the social justice turn and comics used as a communication/education tool.

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Types of Visuals: Why Visuals

Generally, people do not like to read; they want content to be refined and structured so they can grasp the message instantly. Visuals are essential for addressing the questions that arise as readers engage with the information.

- Which information is most important?
- Where, exactly, should I focus?
- What do these numbers mean?
- What should I be thinking or doing?
- What should I remember about this?

- What does it look like?
- How is it organized?
- How is it done?
- How does it work?

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Types of Visuals: Tables

Create tables to display quantitative and/or qualitative information

A table is a powerful way to display dense textual information such as specifications or comparisons.

Types of Visuals: Tables

No table should be overly complex for its audience. For people without the appropriate technical background, use fewer tables and keep them as simple as possible. All visuals should be created with audience and purpose in mind. For instance, an accountant doing an audit might need a table listing exact amounts, whereas the average public stockholder reading an annual report would prefer the "big picture" in an easily grasped bar graph or pie chart (Van Pelt 1).

Types of Visuals: Tables

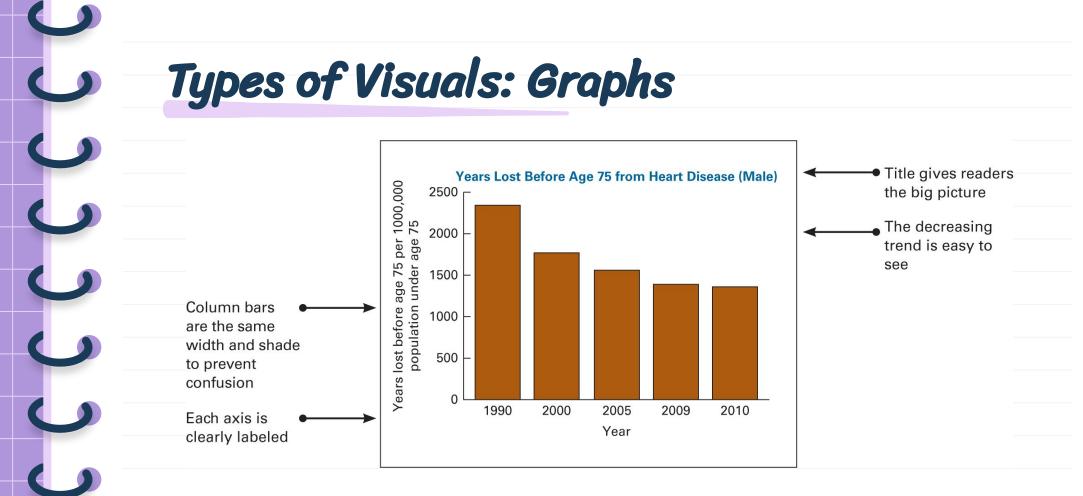
SAMPLE TABLE #1: FINANCIAL ANALYSIS

		2016		2017			2018	2019 (est.)		
Retail Partners	帚		8		6		18		25	
Gross Revenue	0	\$	125,200	Ş	112,500	\$	356,300		TBD	
Research & Dev	5	\$	8,200	Ş	5,600	\$	20,200	\$	25,000	
Sales & Marketing		\$	22,450	Ş	25,000	\$	34,150	\$	55,000	
Materials Cost	ć.	\$	5,500	\$	6,000	\$	9,000	\$	14,000	
Gross Profit	ă		74,050	\$	61,000	\$	257,250		TBD	
						E	stimated GP:	5.1	,020,640,000	

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Types of Visuals: Graphs

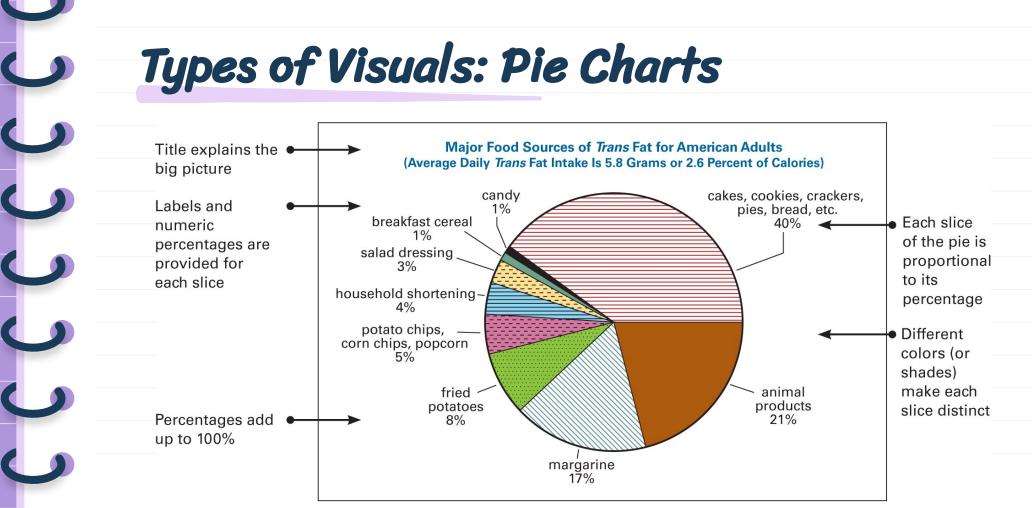
Graphs translate numbers into shapes, shades, and patterns. Graphs display, at a glance, the approximate values, the point being made about those values, and the relationship being emphasized. Graphs are especially useful for depicting comparisons, changes over time, patterns, or trends.



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Types of Visuals: Pie Charts

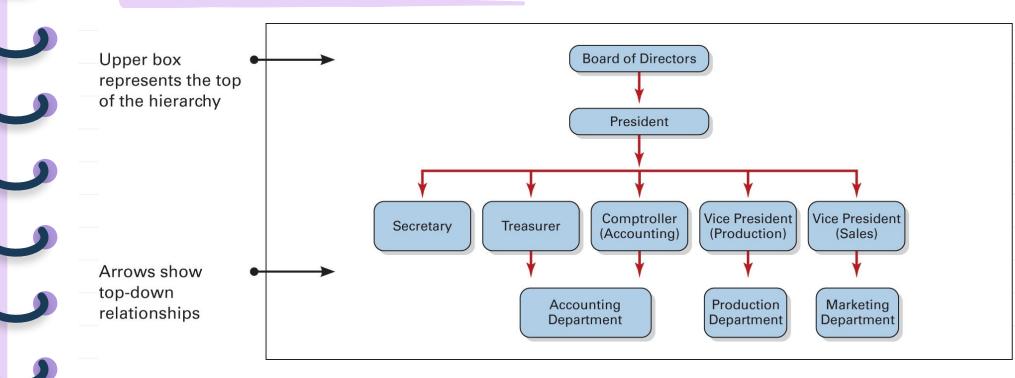
Easy for most people to understand, a pie chart displays the relationship of parts or percentages to the whole. Readers can compare the parts to each other as well as to the whole (to show how much was spent on what, how much income comes from which sources, and so on).



Types of Visuals: Organizational Chart

The primary benefit of communicating with an organizational chart is that it provides a clear visual representation of a company's structure, making it easy for employees to understand who to contact for specific issues, identify reporting lines, and navigate communication channels within the organization, ultimately improving overall clarity and efficiency in communication.

Types of Visuals: Organizational Chart

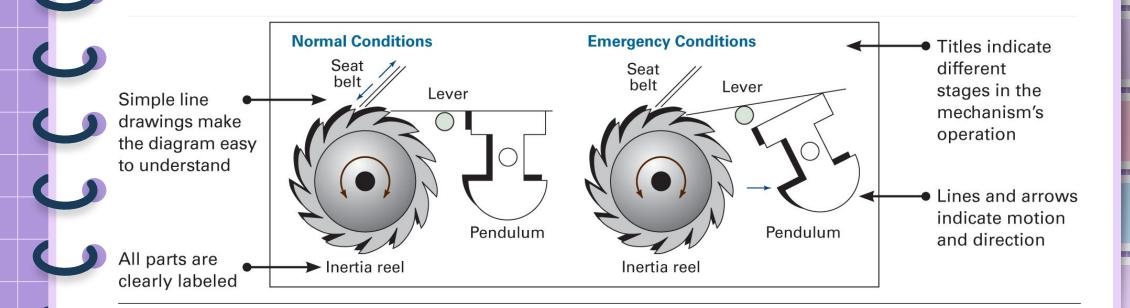


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Types of Visuals: Graphic Illustration

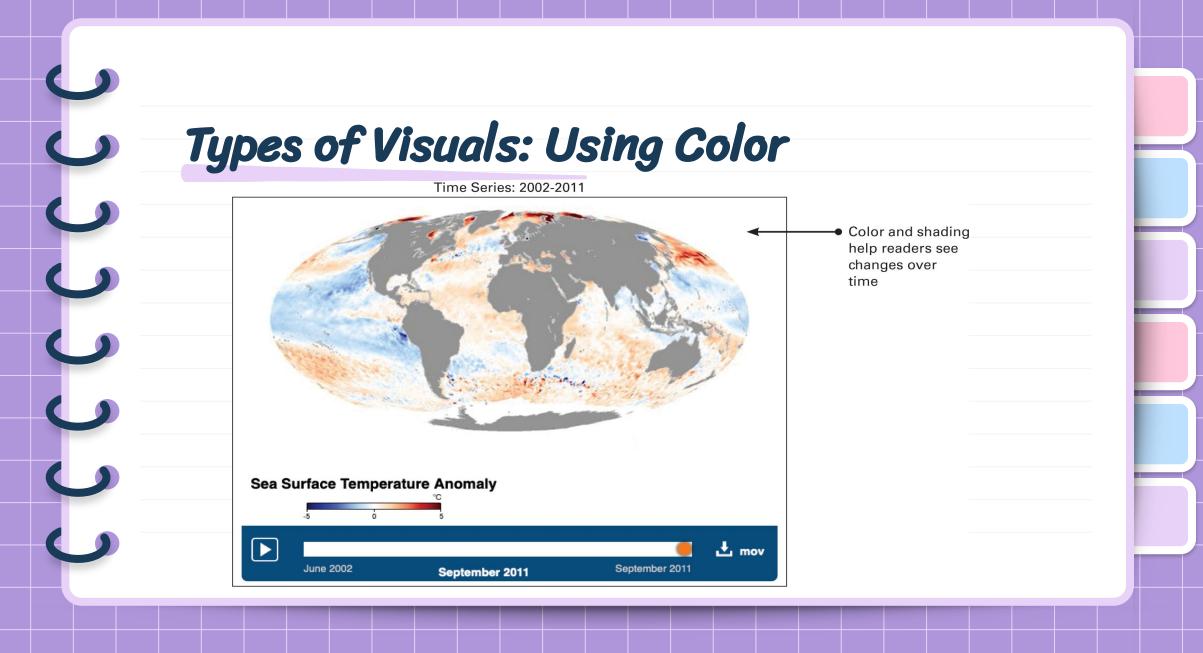
Illustrations can range from simple drawings to diagrams, photographs, maps, icons and symbols, infographics, or any other visual that relies mainly on pictures rather than on data or words. For example, the diagram of a safety-belt locking mechanism (shown on the next slide) accomplishes what the verbal text alone cannot: It portrays the mechanism in operation.

Types of Visuals: Graphic Illustration



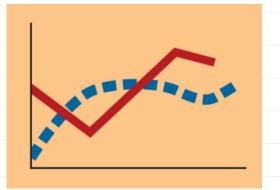
Types of Visuals: Using Color

Color often makes a presentation more interesting, focusing viewers' attention and helping them identify various elements. Color can also make complex data and relationships easier to understand. The example on the next slide uses color to highlight temperature anomalies in the Earth's global sea surface. Because this map is an online interactive visual, readers can drag the slider bar to see differences over a select time range.



Audience

- Not all audiences are the same. Consider the following:
 - What information does my audience need?
 - Why do the need the information?
 - Is a visual the best way to present my information?
 - Creator-centered
 - Is a visual the best way for my audience to understand the information?
 - User-centered



Audience

- Focus on user-centered solutions
- Consider creating a <u>persona</u> to identify your audience's needs
- A persona identifies the audience's:
 - Demographics
 - Behaviors
 - \circ Goals
 - \circ Needs
 - \circ Pain points



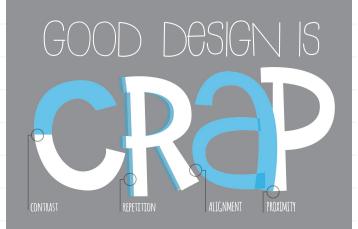
e.	FRUSTRATIONS							
re the lockdown, as he elied on ready meals	 Wasting time Googling menu items because of a lack of images or descriptions. 							
dered all his meals of his home.	 Can't find a category for healthy meals on the cuisine section. 							
king part in online HIIT nolement changes to	 Don't know the contents of the meals ordered for takeaway. 							
	 Restaurants offering pre-order delivery only aren't marked as such on the homepage. 							
e lockdown and finds it found healthy lifestyle.	 Restaurant menus are confusing, I'm not sure if it's the contents page or menu items? 							
r always looks to select								
i times a week.								
le during the lockdown.								



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Principles of Design (C.R.A.P)

- **Contrast**: Size, color, font, shapes, emphasis
- **Repetition**: Create a sense of identity and unity. Eg. headings, colors, borders etc.
- **Alignment**: Creates structure and balance of a document.
- **Proximity**: Organize content by bringing ideas, images and illustrations that are related together.



Contrast

- Place emphasis on key elements, i.e hierarchy.
- Lead the viewers eyes to the most important information.
- Make designs visually appealing and simplifies navigation.

Resource: Coolors.com





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SHAPE CONTRAST

COLOR CONTRAST

Use complementary color combinations to drive attention to the focal point which will be the brighter color.

SIZE CONTRAST

Add variation on scale of graphic elements, being the bigger ones the

most important.

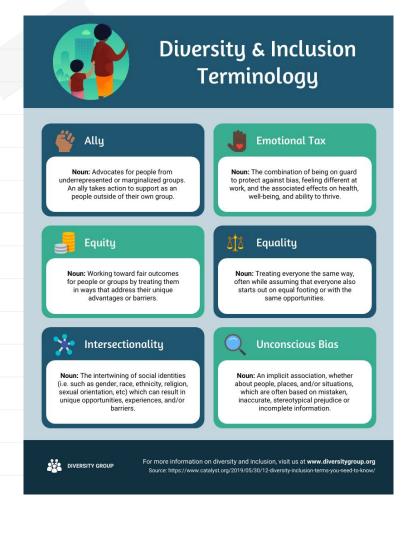
When you have a repetition of the same shape in your design layout use a different shape to focus the attention there.

TYPE CONTRAST

Pair two different fonts where the most notorious will contain the tittle and for body text use a font with good readability.

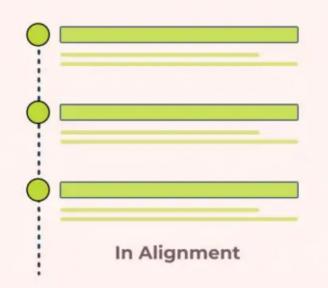


- Breeds familiarity between your audience and your document/designs.
- Smart use of repetition also shows the reader how to interact with your document.
- Although simple, applying this to your designs can be tricky.



Alignment

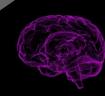
- A good alignment establishes the order and organization of various elements in the document.
- Pay attention to how text boxes, photos and others elements align with your margins.



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- Principle of proximity: Items close together are likely to be perceived as part of the same group — sharing similar functionality or traits.
- Bring related objects together
- Readers connect easily with related items grouped together.



HEALTH CONDITIONS THAT NEUROLOGISTS TREAT

There are many common and severe health conditions and diseases that neurologists treat. These are broadly categorized into three categories:



DISORDERS

In 2016, neurological disorders were the second leading cause of death globally. Neurologists treat disorders of the peripheral and central nervous system. The most common disorders include:

- Parkinson's Disease
- Brain Tumors
 Brain Trauma
- Epilepsy
 Alzheimer's Disease
 Stroke
 Migraine
- Tourette's Syndrome
 Mi
 Amvotrophic Lateral
- Amyotrophic Lateral
 Sclerosis
 - Multiple Sclerosis



DISEASES

Neurologists treat diseases that attack the nervous system. These diseases include infections, such as fungi, bacteria and viruses. Neurologists also treat cancers in benign and/or malignant.



SYMPTOMS

Dizziness

Your primary care physician may refer you to a neurologist if you are experiencing one or more of the following symptoms:

HeadachesChronic Pain

Seizures / Consciousness
 Vision Problems

· Movement Problems

Numbness or Tingling
Weakness

Memory Problems
 Speech Difficulties

BAYVIEW DOCTORS

For more information, contact us at info@bda.com or call us at 325-643-4451

Information Clarity

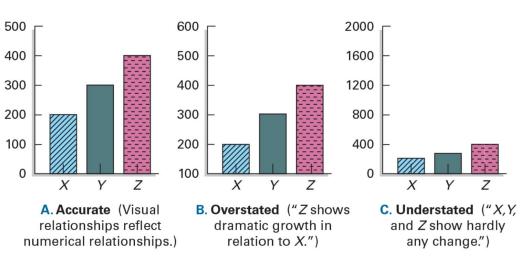
The goal of visualizing data is to present complex information in simple, clear and concise manner.

• Consider your **audience first**.

- Simplify data and only present essential information to avoid clutter
- **Use visual aids**: Present data using charts, graphs, and other visual aids.
- **Choose chart types wisely**: Use bar charts for comparisons, line charts for trends, and pie charts for percentages.
- **Consider accessibility**: Use colors that contrast and include descriptive text to make the content understandable for everyone.

Data Integrity

- Present your data
- accurately, even if the results don't match what you wanted
- Avoid distorting the data with overly complex visuals



Data Integrity

- How do you avoid data misrepresentation?
 - Select the right visual type for your data
 - \circ $\;$ Wherever you use a visual, explain it in the text of the report
 - Ask a friend to interpret the visual and see if their analysis matches yours
 - Basically, can you data speak for itself accurately?
 - \circ $\,$ Label axes, use proper units, and provide a detailed title

Key Factors to Consider When Choosing a Tool

- **Ease of Use**: How intuitive is the tool for beginners?
- **Data Source Compatibility**: Does it integrate well with your data sources (e.g., Excel, SQL databases)?
- Interactivity: Do you need static or interactive visualizations?
- **Customization**: How much control do you need over the appearance and functionality?
- **Collaboration**: Does it allow team collaboration or cloud sharing?
- Cost: Consider free vs. premium features and whether the tool fits within your budget.

Beginner-Friendly Tools

These tools are great if you're new to data visualization and want something easy to use with minimal learning curve.

- **Canva**: A popular graphic design tool that offers pre-built templates for charts, infographics, and reports. Great for creating polished, visually appealing graphics.
- **Piktochart**: Specializes in creating infographics and reports with drag-and-drop functionality. It's user-friendly and doesn't require coding knowledge.
- **Venngage**: Focused on infographics, presentations, and reports. Ideal for non-designers looking to create professional visuals quickly.
- **Google Data Studio**: Free and easy to use for creating dynamic, interactive dashboards using data from Google Sheets, Analytics, and other sources.

Intermediate Tools

- **Tableau**: Known for its ability to create interactive, high-quality visualizations. It can handle large datasets and integrates well with various data sources. Suitable for both beginners and advanced users.
- **Microsoft Power BI**: Great for creating interactive dashboards and reports. It's well integrated with Microsoft products, making it a popular choice for businesses using Excel and other MS tools.
- **Infogram**: Ideal for creating interactive charts, maps, and infographics. It's particularly useful if you want to embed visualizations into websites or presentations.
- **Chart.js**: A JavaScript-based library for creating interactive charts. Requires basic coding knowledge but is highly customizable.

Tools for Creating Diagrams, Flowcharts, and Concept Maps

- These are useful for non-data-specific visual content, such as planning, brainstorming, or explaining complex concepts.
 - **Miro**: A collaborative whiteboard platform for mind mapping, wireframing, and diagramming.
- **Lucidchart**: A versatile tool for creating flowcharts, organizational charts, and network diagrams.
- **Coggle**: Focuses on mind maps and concept diagrams, great for brainstorming sessions.
- **Diagrams.net (formerly Draw.io)**: Free and open-source tool for creating flowcharts, diagrams, and concept maps.

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Looking for more specific help? Schedule an appointment at the Writing Center (Walker 107): www.mtu.mywconline.com

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Thank you!

Do you have any questions?

Stay tuned for more soft skills events from GSG!

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Koalas don't have much energy and, when not feasting on leaves, they spend their time dozing in the branches. Believe it or not, they can sleep for up to 18 hours a day!

Did you know?

Did you know that dogs can smell your feelings?

Dogs can pick up on subtle changes in your scent, which can help him figure out how you are feeling, such as by smelling your perspiration when you become nervous or fearful. Did you know that a cat uses its whiskers as feelers to determine if a space is too small to squeeze through?

Also, cats love to sleep. A fifteen-year-old cat has probably spent ten years of its life sleeping.

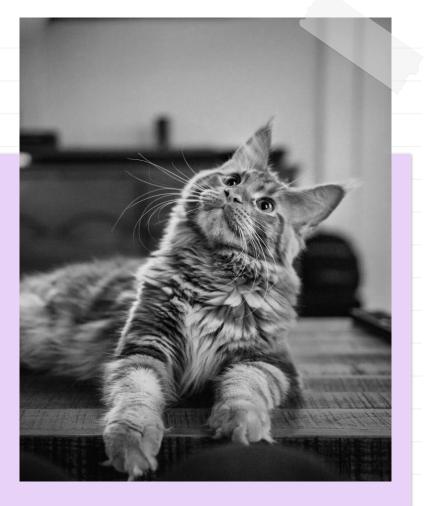
Cats love to sleep.

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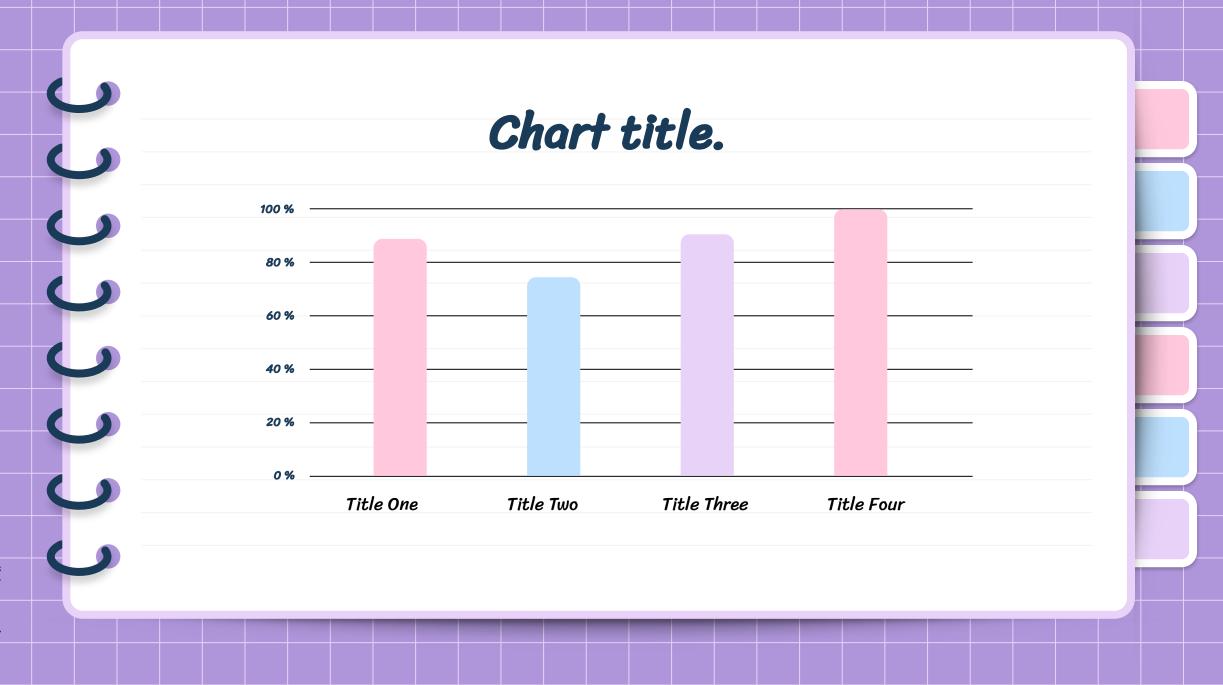
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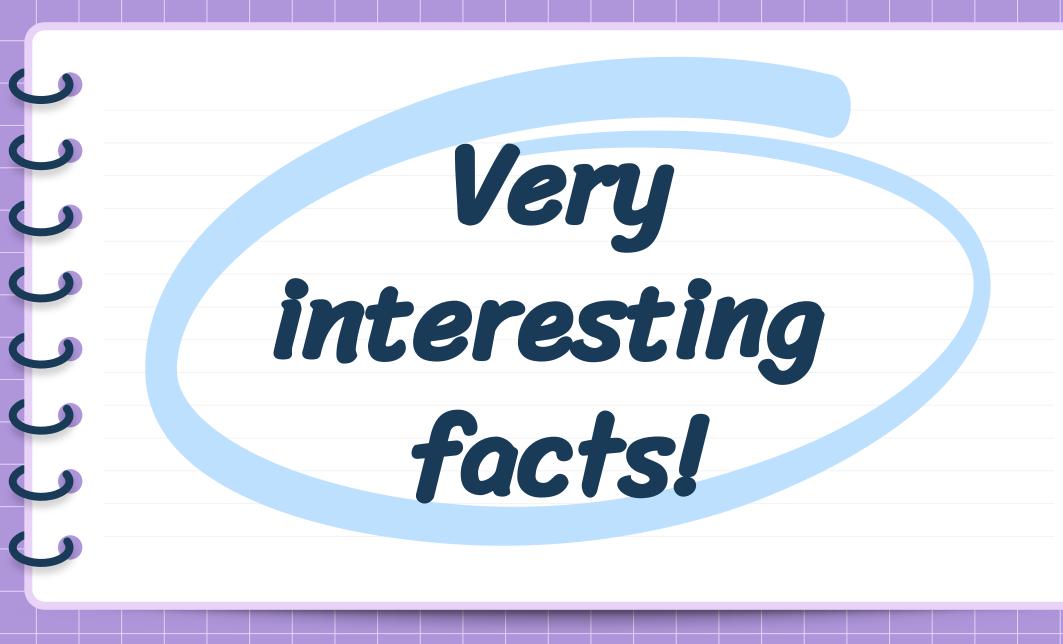
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This is where you section ends. Duplicate this set of slides as many times you need to go over all your sections.



Add your title here.

Something about this.

Far far away, behind the word mountains, far from the countries Vokalia and Consonantia, there live the blind texts.

Something about that.

Far far away, behind the word mountains, far from the countries Vokalia and Consonantia, there live the blind texts.

Something about this.

Far far away, behind the word mountains, far from the countries Vokalia and Consonantia, there live the blind texts.

dideemania com

This is our team.



John S.

Marie M.

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This is a timeline.

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Credits.

Presentation Template: <u>SlidesMania</u>

Sample Images: <u>Unsplash</u>

Fonts used in this presentation: Maven Pro and Sriracha.

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