

SHOW

SHOW WHAT YOU MEAN

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LINK & LEARN

*Required
Reading*



*Tips &
Optional*



Examples



Activity



This is Chapter 11



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If you really want to get your point across, show it, don't just tell it.

Visuals are a little like sugar—an appealing jolt of concentrated meaning, and a treat for the brain after it has been reading for a while. Learn to create beautiful and clear charts, tables, infographics, and presentation slides, and you'll treat colleagues and clients to engaging and meaningful information.

We'll start by explaining three design concepts, then apply them to create great presentation slides and data visualizations.

To kick things off, study this infographic:



[13 Reasons Why Your Brain Craves Infographics](#)

HUMAN BRAINS PREFER VISUAL INFORMATION

(Percent of information retained after 3 days)

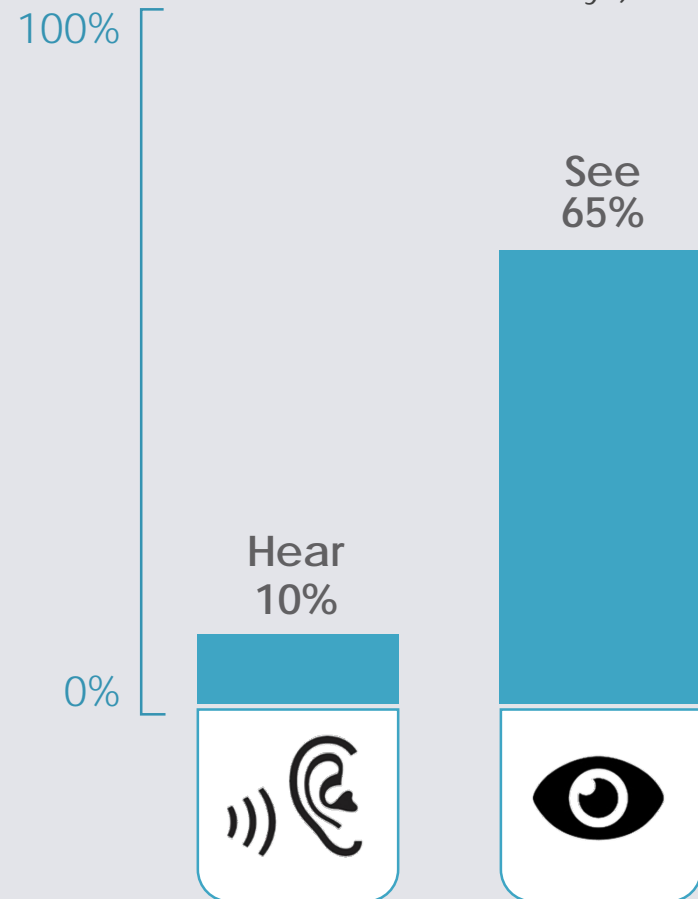


FIGURE 11.1

The takeaway? ADD PICTURES.

Source: "Brain Rules," John Medina.

SECTION ONE

DESIGN CONCEPTS

Make your work more attractive and effective by practicing good design. Studying design principles and elements could be the enjoyable work of a lifetime, but we'll focus on just three essential categories: **layout**, **contrast**, and **repetition**.

LAYOUT



CONTRAST

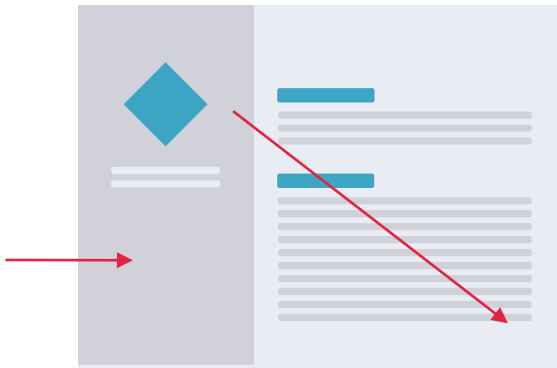


REPETITION

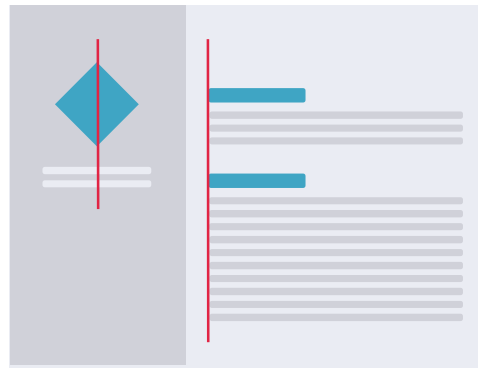


LAYOUT

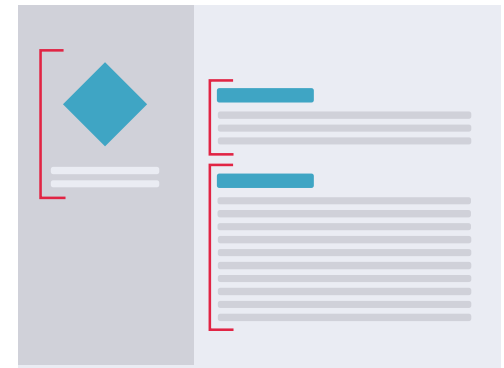
Within the layout category, three qualities will help you design your documents and slides: **space**, **alignment**, and **proximity**. These are essential to clean design, which is an indicator of credibility. It invites attention rather than punishes it.



Space creates structure, guides the eye, and gives visual relief. Try to emulate the websites and fliers that use space to attract your eye and make key elements stand out.



Alignment is key to a professional look. Aligning objects and text exactly along an invisible line creates order and connection, making your content more brain-friendly.



Proximity tells the eye which things belong together. Group related items together by clustering them, then add white space between clusters. Proximity helps your audience interpret your message quickly and efficiently.



See areas of positive and negative space by squinting your eyes to create blur.



Use the pop-up rulers on slide software to nudge you toward alignment.



Remove the extra line after a paragraph heading to keep it close and related visually.

CONTRAST

Contrast catches the eye. A design without contrast dissolves into gray mush. You can focus attention and communicate hierarchy through variation in **size, shape, color,** and **typography.**

The greater the contrast, the greater the effect. But be careful. Your audience can become numb to constant variation, or overwhelmed by color and font combinations that clash instead of contrast. Determine which elements are most important and use contrast to give them maximum impact.

Add contrast with **SIZE**, **COLOR**, **SHADE**, and **SHAPE.**



Be color aware. About 1 in 20 people experience color-blindness. Also, your work may be printed in black and white. Do a trial print of your visual elements in grayscale.



REPETITION

Once you've chosen strong, contrasting design elements, stay consistent throughout your document. Repeated use of layouts, colors, shapes, and fonts helps make a design look intentional, professional, and consistent.



Activity 11.1

Using a small range of consistent colors is key to good design. Some people are great at picking color palettes, others . . . not so much. Access the expertise of great designers by using one of these sites to create a color palette for a project you're working on.

[Adobe Color CC](#)

[Coolors](#)

[ColourLovers](#)

The company you work for will most likely have a [style guide](#) with an established color palette, but someday you may be asked to create one, so read this page about [color theory](#) and how colors influence mood and behavior.

Going forward, apply these design basics to all your work. You will be amazed at the difference.

Now let's move on to best practices in **presentation slides** and **data visualizations**.



Da-da-da-DUN,
da-da-da-DUN.

[Listen to this.](#)


The recurring motif of Beethoven's 5th Symphony is a form of repetition. Variations on the theme unify the entire symphony, making it one of the world's most recognizable pieces of music. Use repetition for power and recall.

SECTION TWO

SLIDE DESIGN

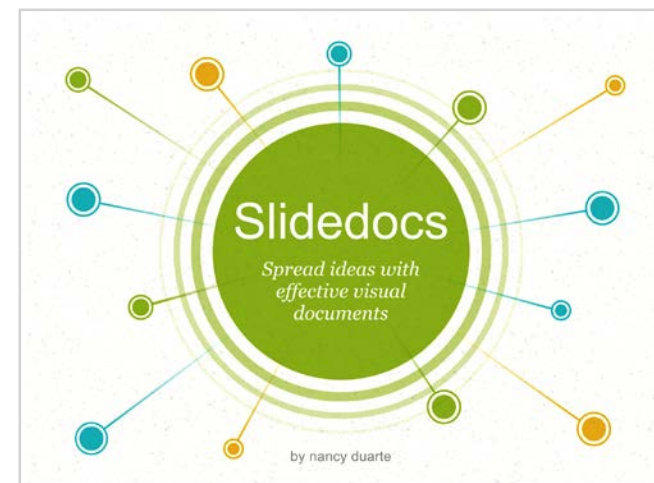
Presentation slides can vary greatly depending on purpose and audience. Slides for TED talks have very low information density. They're cinematic—dominated by simple, high-impact visuals, keeping the focus on the speaker.

Slides on the opposite end of the spectrum are information dense. They stand alone and can be viewed on demand, like this textbook, which was created using PowerPoint.

Slidedocs are a hybrid between the visual richness of presentation slides and the information density of text-based documents. This textbook is an example. Browse through the online book [SlideDocs](#)  which inspired it.

Resources like Nancy Duarte's book [slide:ology](#) and [Canva's Design School](#) tutorials provide excellent guidance and insight on slide design.

Get inspiration by browsing slide decks at sites like [SlideShare](#), [Note & Point](#), and [Slide Guru](#). Not all the shared slides are designed well, but the ones that are really stand out.



TEN TEMPTATIONS & TECHNIQUES

In addition to layout, contrast, and repetition, remember the following **10 temptations and techniques** as you design your slides.

1. SLIDES ARE NOT YOUR NOTES

Don't create your slides before preparing your content. If you're outlining your presentation on slides, you're not really creating slides, you're writing speaking notes. If you project these onto the screen and read them, your audience will ignore you and read ahead.

You might be falling into this temptation if your slides consist primarily of bulleted lists. Bullet points are better than blocks of text, but they quickly become overwhelming. Instead of simply listing your ideas, your slides should illustrate them. Move your speaking notes into the **speaking notes panel** at the bottom of the slide as a reference.

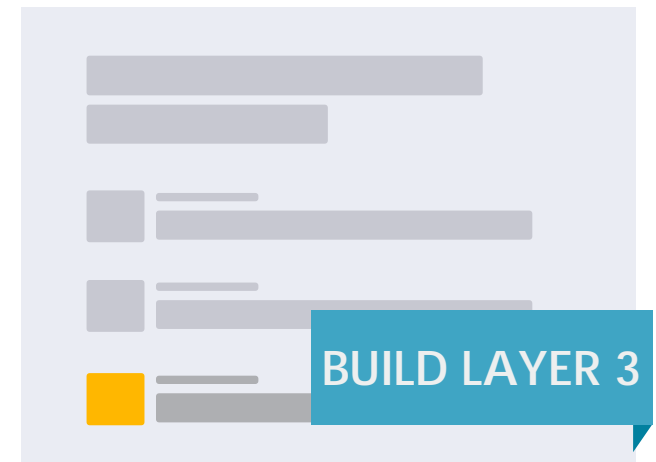
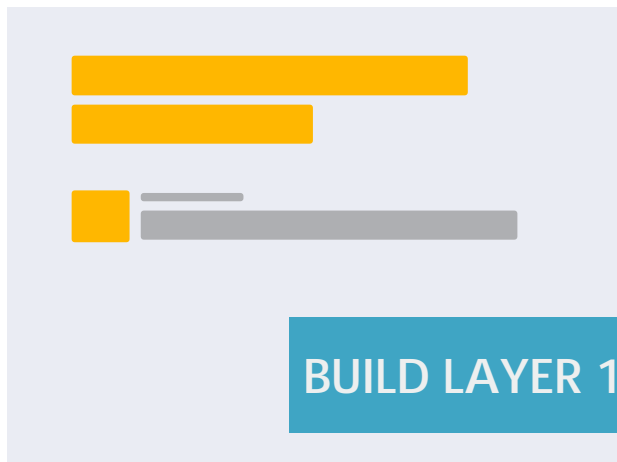
TOP TEN
10
SLIDE TIPS



2. SLIDES ARE NOT YOUR PRESENTATION

Don't let your slides take over your presentation. Unless you're creating a slidedoc, your slides are only a visual aid. Keep your slides simple so they focus attention on your message, not on themselves.

Animations and transitions can be distracting. Avoid them unless you have a clear need to illustrate movement. To communicate dense information or complex ideas, piece together a series of slides layer by layer. These are called "builds," and they also translate well to PDF or print.



3. SLIDES ARE NOT YOUR HANDOUT

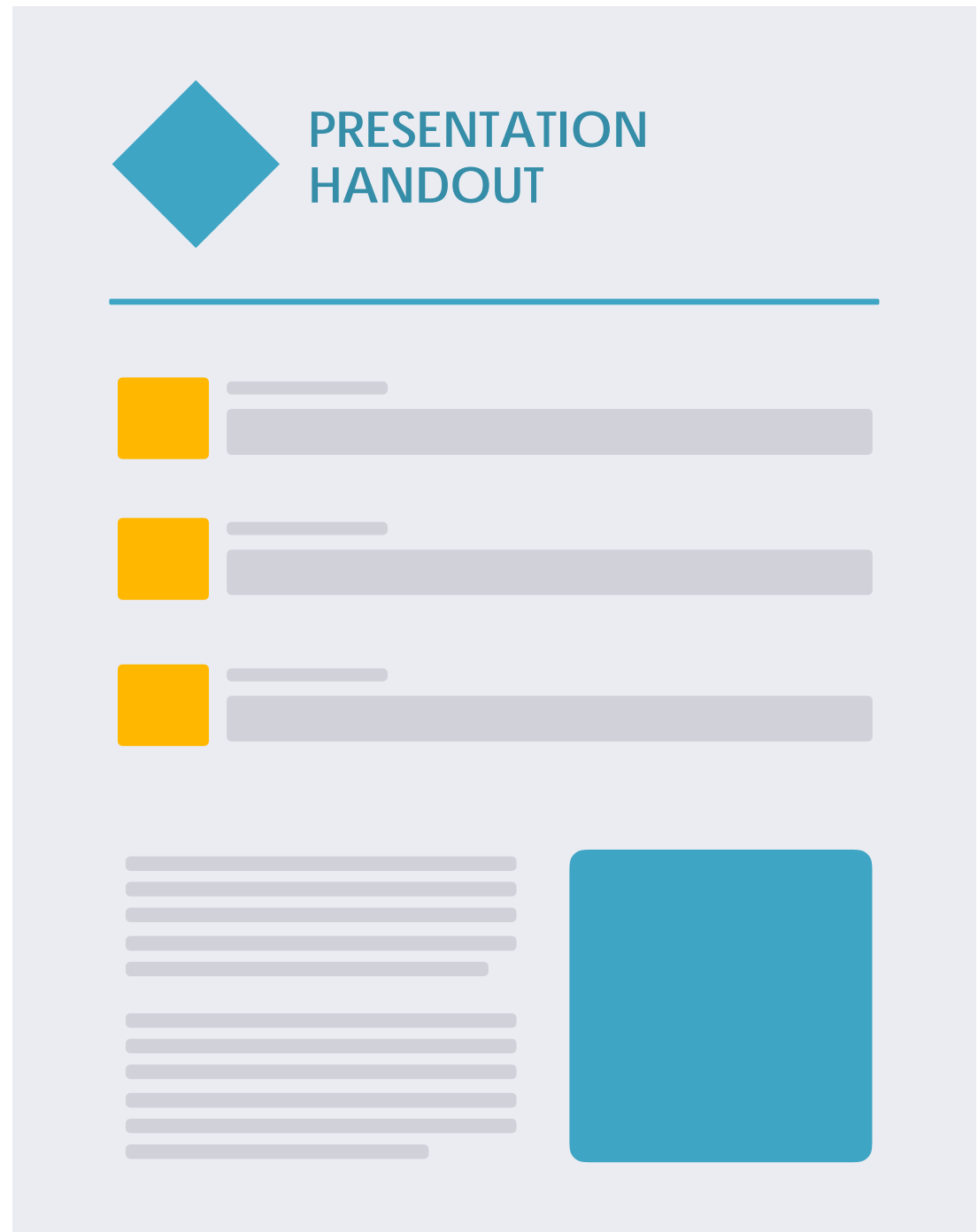
Slides designed to support a presentation will rarely be effective as handouts. Providing a physical reminder or summary of your presentation can be very useful, and it's worth the effort to create a separate, standalone document. Clearly associate your handout with your slides by maintaining the theme of your design.

In PowerPoint you can customize the appearance of speaker's notes, then print them right alongside the slide. This allows you to add more complete and interesting information to an image of each slide.

4. SLIDES ARE FREE

Adding slides doesn't cost you anything, so go ahead. Split dense content across multiple slides. Increase your font size. Add white space. Crowded slides are a barrier to communication.

Cool, uncrowded slides are a delight.



5. SLIDES SHOULD BE VISUAL

Add punch to your slides with graphics and media, but remember their quality reflects on you as a professional.

GRAPHICS Take every opportunity to present information visually rather than textually. CH 07: FORMAT describes a variety of graphics, and best practices for data visualization are explained later here in CH 11.

ICONS Avoid old-fashioned clipart like the plague. Use icons instead to symbolize objects and actions. Find them at [NounProject](#), [IconFinder](#), or [FlatIcon](#).

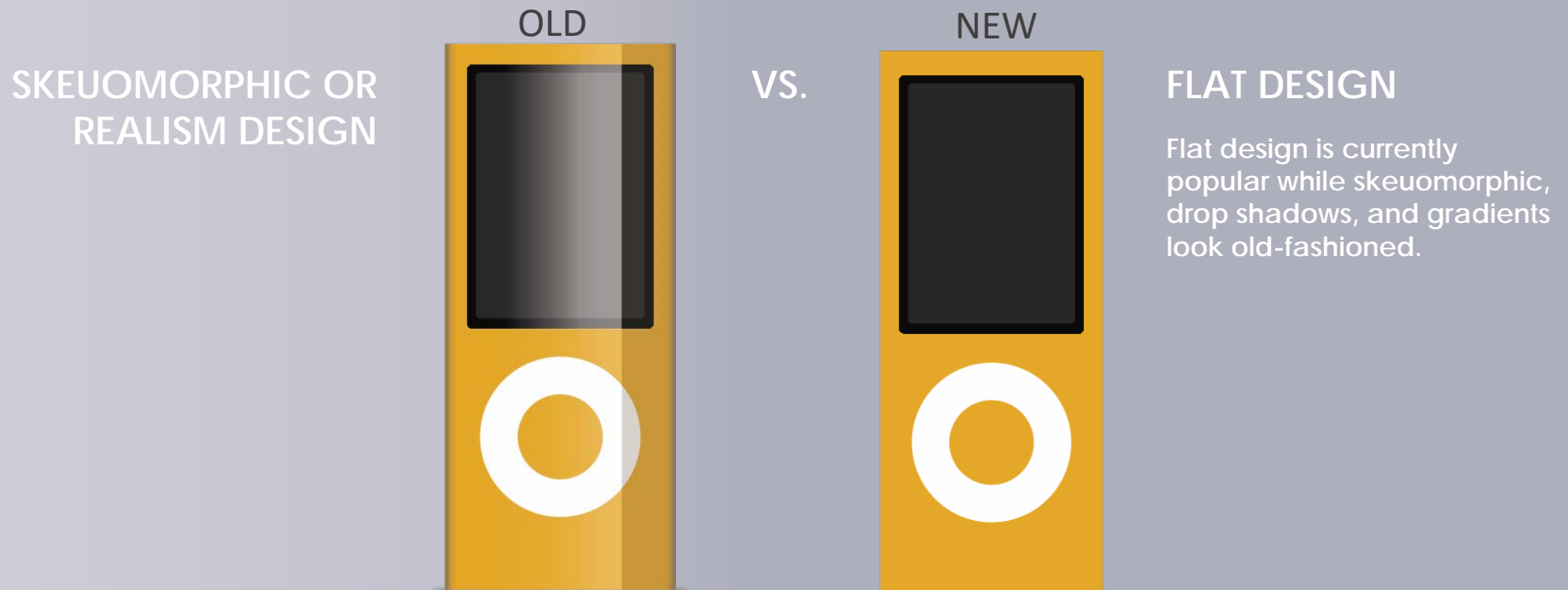
STAY CURRENT Search "slide design trends" every year to see what is current. For instance, Figure 11.4 shows older realistic design making way for the currently popular flat design.

VIDEO Short, punchy videos can illustrate your point quickly, wake up a crowd, or show a process. Embedding a video frees you from reliance on internet streaming; on the other hand, simply linking to it keeps your file size small.



Activity 11.3

Create a link to a short portion of a funny YouTube video in a slide. [Blatti.net](#) shows how to link to a specific piece of a longer video.



PHOTOS People love to look at beautiful photographs. Choose high-resolution photos that are meaningful, natural looking, and not cheesy. For maximum impact, use photos at “full bleed,” which means the photo fills the slide, even if it “bleeds” off the edges. Use visually interesting photos that imply several layers of meaning besides the initial obvious one, such as the examples below (lower left and lower right) of the concept of teamwork. Figure 11.5 at right lists excellent resources.



Activity 11.4

Look for a free high-resolution photo that illustrates the concept of tenacity. Place it on a slide with some text.

CHEESY



COOL



USE FREE QUALITY IMAGES

freeimages.com

unsplash.com

pexels.com

lifeofpix.com

deathtothestockphoto.com



FIGURE 11.5

INCLUDE NECESSARY PERMISSIONS AND CREDITS

Copying an image from a Google search is tempting, but never use images without permission and always credit the source. Some tools, like [Flickr](#) and [Google Images](#), have search settings that can limit results to show only images licensed for reuse or under [Creative Commons](#) terms.

Wondering whether you can legally use an image? Use this flowchart: [Can I Use That Photo?](#)

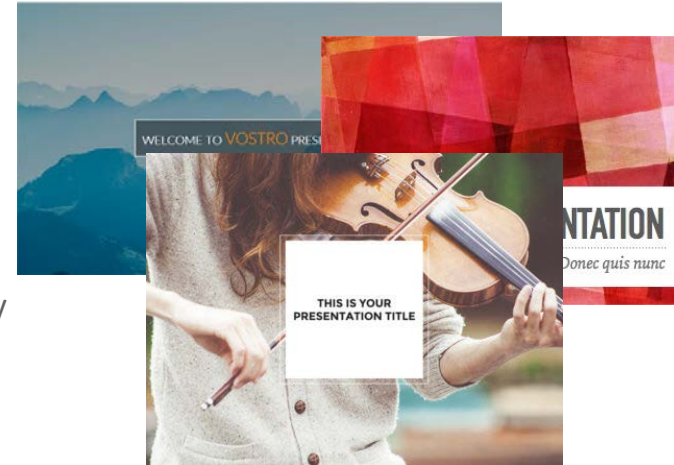
FIGURE 11.6



6. TEMPLATES FOR FAILURE; TEMPLATES FOR SUCCESS

Templates and built-in themes are convenient, but be cautious. Their design elements won't necessarily align with your message, and they might make your work seem lazy and unoriginal.

Don't use the first template you see (everyone has already seen it), and **customize templates** by changing some colors or graphic elements. Check out [Slides Carnival](#) for template ideas. You may be better off creating your own template by setting default layouts, typography, colors, and backgrounds in master slides. Learn how in [Google Slides](#) or [PowerPoint](#).



7. SIGNPOSTING PROVIDES NAVIGATION

Especially in long presentations, your audience will appreciate visual cues that remind them how you've structured your content and track your progress through the presentation. Create a **running agenda** along the side or bottom to show where you are and where you are going.

8. WORDS ARE MEANT TO BE READ

CH 07: FORMAT outlines principles of good typography. In the context of slide design, also remember to:

- ▶ **Keep it simple.** Use only one or two typefaces that you bold, shade, and color for contrast.
- ▶ **Go big.** Can people in the back of the room read your text? Use a large enough font size, such as 60 point for titles, 36 for headings, and 28 for supporting text.
- ▶ **Ensure contrast.** Your text must stand out against the background. If the background is a photograph, consider putting the text in a box or ribbon that overlays the image and provides better color contrast.

A “running agenda” indicates your progress with visual elements at an edge of your slides. Highlighting the current agenda item creates context for your audience.

For example, this book's running agenda lets you know which chapter you are viewing.



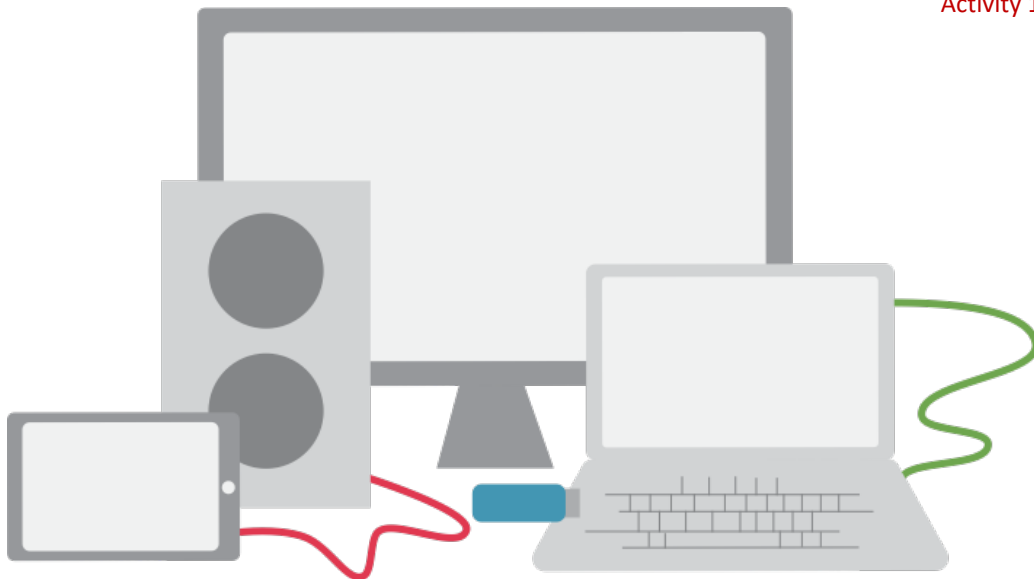
9. USE THE BEST TOOL FOR THE JOB

Don't call every slide deck a "PowerPoint" or limit yourself to one platform. In addition to PowerPoint and Keynote, online presentation applications may play to the strengths of your message, so click through these links to become familiar with them.

G SLIDES: Accessible from anywhere, updateable, mobile-friendly.

PREZI: Freed from a linear structure, it can be brilliant or confusing.

CANVA: Free web-based design. Tutorials, templates, and tools galore.



10. TECH WILL BETRAY YOU

Sooner or later it will happen. Always be prepared by saving copies of your slides on a flash drive and on the web. If your host or meeting organizer will be at your presentation, send him or her a copy to load in advance. If you have accompanying files, like videos, images, or fonts, keep them with your slides in a single, clearly labeled folder and compress that into a .zip file. Include a PDF version of your slides in case the right software isn't available. Remember that colors and fonts may change with different projectors, screens, and printers. Where possible, plan some setup time to deal with any issues that might arise.



Activity 11.5

Create a set of three or four slides about sleep deprivation in college students. Include the fact that 60% of college students get insufficient sleep, and most need 8 hours a night. Finally, give your tips for getting adequate rest.



SECTION FOUR

DATA VISUALIZATION

Data is money. It drives decisions and seals deals. In business, you'll present data in slides, refer to it in written documents, post it online, and use it to create infographics. But remember: your purpose is not to communicate data. Your purpose is to communicate meaning.

BREAK IT DOWN THEN BUILD IT UP

Creating a chart in Google Sheets or Microsoft Excel isn't hard, but these tools don't know what story you're trying to tell with your data. Their default designs will not help you make your point, so you need to strip them away, layer by layer, then add back design elements that focus attention where *you* want it.

You know you're on the right track if your audience can see the story in your chart within the first few moments of looking at it.

Cole Nussbaumer Knaflic champions this approach on her blog [Storytelling with Data](#). And Darkhorse Analytics animated instructions in [Clear off the Table](#).



“Every bit of ink on a graphic requires a reason. And nearly always that reason should be that the ink presents new information.”

Tufte, E. R. (1983)
The Visual Display of Quantitative Information.
Cheshire, CT: Graphics Press.



Look at the dramatic BEFORE and AFTER of a sample sales report design. [PrintTech](#).



SELECT A CHART TYPE

Decide what story you're trying to tell with your data, then choose an appropriate chart. For instance, a line graph can show trends over time, and a bar chart is good for comparisons. Pie charts are popular, but they don't provide visual precision. See Visage's guide to [chart types](#). Note that complex stories may require multiple charts, and sometimes a clean, precise table is the best way to present your data.

CUT THE CLUTTER

Remove all formatting: the borders, tick marks, background, 3D effects, shading, and all color. Reduce text by removing the labels, title, and legend. In many cases you can even remove an axis.

FOCUS ATTENTION

Build your chart back up, but remember that every thing you add should make your message more clear. Label data directly rather than with a legend. Add color and weight to focus attention. Add a title or callout that tells your story rather than just describing your chart.



Activity 11.6

Complete this interactive practice simplifying a table and graph: [Simplifying Data Display](#)

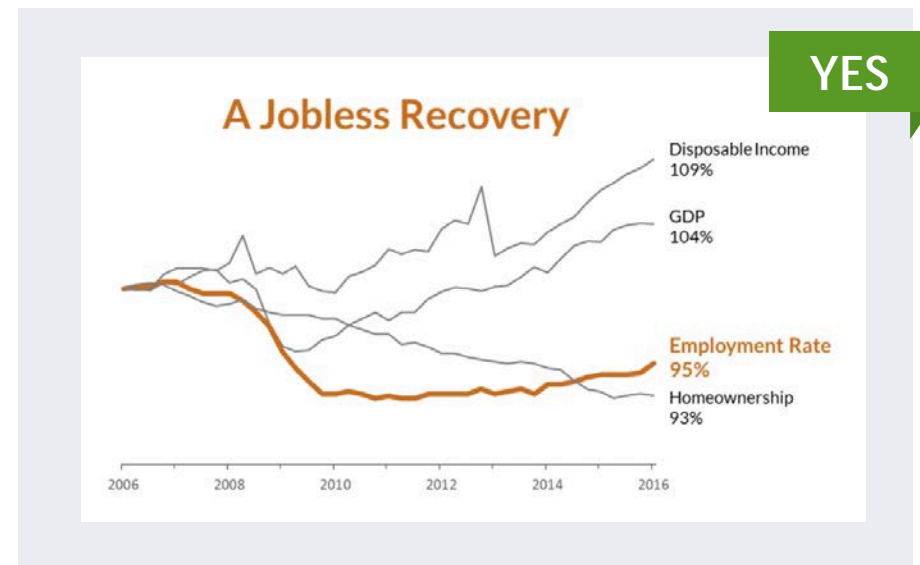
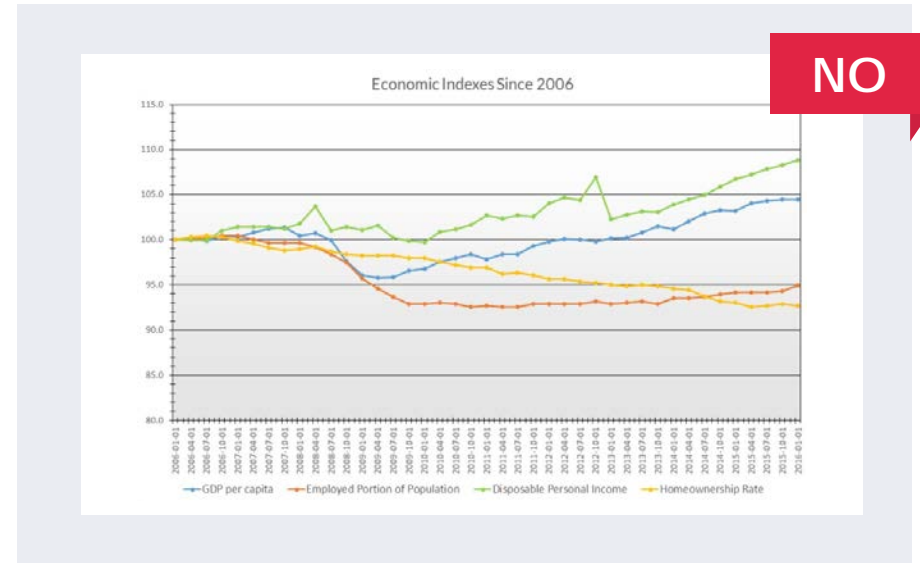


FIGURE 11.7

INFOGRAPHICS

Infographics combine text and graphics creatively to tell a larger story. See examples at visual.ly or get inspired by [David McCandless's](#) and [Chris Jordan's](#) TED talks.

Infographics can be memorable, but creative approaches may be more or less appropriate depending on the expectations and culture within an industry or profession (think advertising vs. accounting).

Maintain credibility by citing your sources. Remember that, in addition to numbers, abstract concepts, narratives, relationships, and processes can all be communicated visually.



Activity 11.7

Make your own infographic about how you use your time using one of these online tools:

- ▶ [Canva](#)
- ▶ [Infogr.am](#)
- ▶ [easel.ly](#)
- ▶ [Visme](#)
- ▶ [piktochart](#)
- ▶ [VennGage](#)



[How to Get Started with Infogram in 2 Minutes](#)



[How to Create an Infographic in Canva](#)



www.jackhagley.com
Source: <http://www.100people.org>

INFOGRAPHIC EXAMPLE

FIGURE 11.8

IN CONCLUSION

Wasn't that fun? Make understanding your visuals fun for your audience, too.

Show your message. Well-designed visual elements help you to be precise and concise.
Create effective visuals to convey confidence and competence.



LEARN MORE

Suggestions?
Click [HERE](#)



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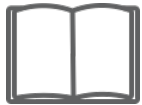
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