

2018

DATA SCIENCE CAPSTONE PROJECT 1

Different purposes, audiences, and expressions

	Academic (specialist)			Industry (non-specialist)		
Purpose						
Audience						
camples of un	clear p	urpose: I want to make an origi	nal co	ontribution to science.		
		I am told to display my	data i	n the report.		
		I want to impress the a	udien	ce with the display.		
camples of cle	ar nuri	2000				
amples of cle	ai pui	Jose				
Type of expres	ssion	Information		Message		
Example		"A concentration of 175 yg/m³ has been observed in urban areas."		"The concentration in urban areas		
				(175 yg/m³) is unacceptably high."		
Provides						
Designed as/to	o be					
Belongs in						
				,		
)ifforance h	otwo	en verbal and visual prese	ntati	ons		
inerence b	CLWC	en verbar and visual prese	iitati	Olis		
Presentation		Verbal		Visual		
unction						
Processing						
Strength						
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Organize the slideshow	1 2 3 4 5 6
Guidelines: (1)	
(2)	-
Organize the layout	
Adjust the spacing between the lines	
Top to bottom text text text	
Left to right • text • text Balance the slides	
text Balance the slides 2	

Visual representation involves choices

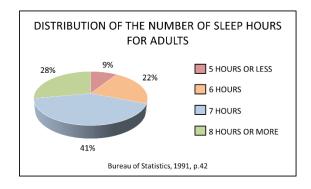
Interpretive convention:

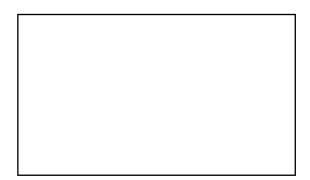
1)

2)

Example Apple =

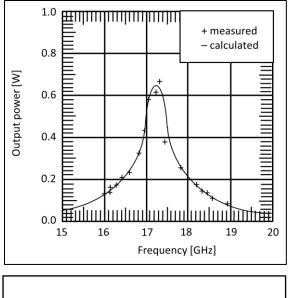
Simplify visual displays for clarity

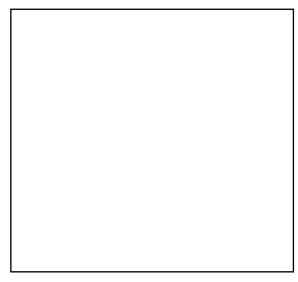


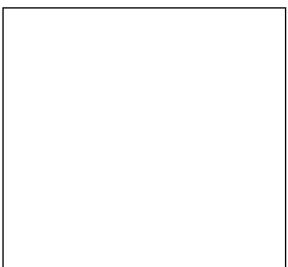


Problems:

Improvements:







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Reduce distractions on slides: 1)

2) _____

Connect your data display to your writing:

Notes:

Furthermore, Colayol sales has dropped by 50% in the past two years, since the recession in 2002, as shown in figure 1.

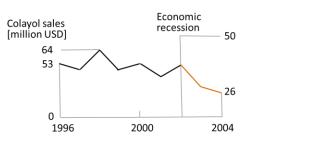


Figure 1. Colayol sales dropped by 50% following the recession.

The trend in figure 1 shows that Colayol...

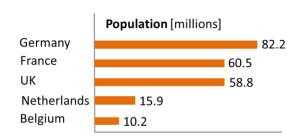
Make use of visual grammar

Cohesion: _			
_			

Separation:

Prominence:

Tips on displaying quantitative data





Structure

