

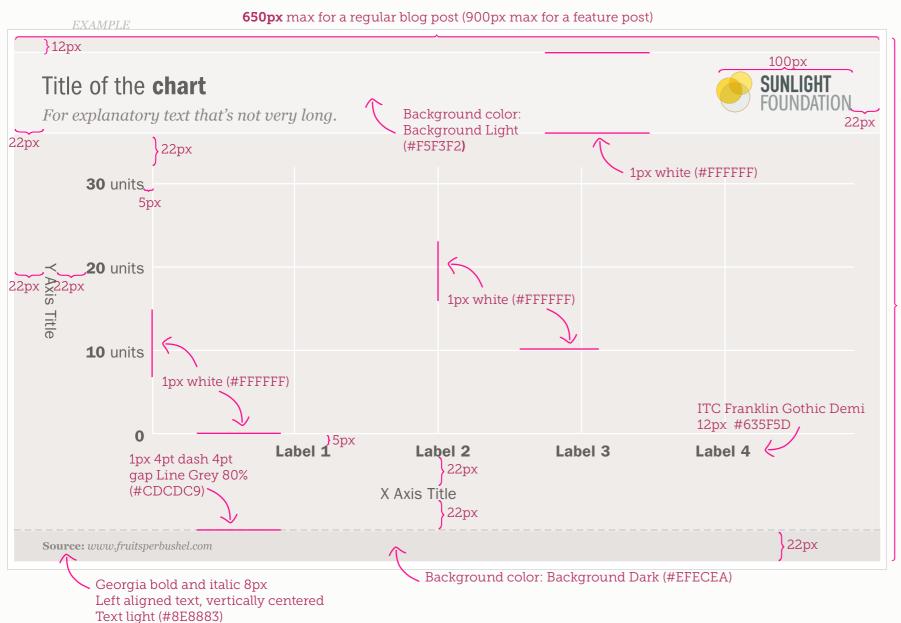
Data Visualization Style Guidelines

This guide includes:

- » basic graph structure
- » bar graphs
- » line graphs
- » pie charts
- » scatter plots
- » maps
- » graph or chart colors
- » choloropleth colors for maps
- » network visualization colors

FORWARD

This guide is meant to be a starting point for creating data visualizations for this organization. "Data Series" like the 1% of the 1% may have their own twist on these foundations. Visualizations that pertain to a particular project, like the 5 year review of Political Party Time, may also have variations on these standards. Feel free to use these as a starting point, and do what makes sense for your particular data. Please remember to respect the data as you go forth into the wonderful, but often confusing, world of turning numbers into visuals.



Downlaod the sunlight logo @ http://sunlightfoundation.com/press/logos

Height is variable. Make them as long as you need them to be since these are mainly web graphics.

Text Styles	
•	
Header Title with emphasis	ITC Franklin Gothic Std Book Condensed with Demi Condensed emphasis 20px Left Aligned #635F5D (Text Main)
Header title explanatory text	Georgia italic 12px left aligned #8E8883 (Text Light)
X axis & Y axis labels	ITC Franklin Gothic Std Demi 12px centered on line #635F5D (Text Main)
X Axis & Y Axis Title	ITC Franklin Gothic Std Book 12px centered #635F5D (Text Main)
Key labels	ITC Franklin Gothic Std Book 10px left aligned #635F5D (Text Main)
Callout text	Georgia italic 10px left aligned #635F5D (Text Main)
Point Label	ITC Franklin Gothic Std Book 10px right aligned to point #635F5D (Text Main)
Source: www.fruitsperbushel.com	Georgia bold title with italic text 8px left aligned #8E8883 (Text Light)

Background **Colors**

Base Colors

Background



CMYK: 5, 5, 5, 0 RGB: 239, 236, 234 Hex: #EFECEA

Background Light Accent



CMYK: 2, 2, 2, 0 RGB: 245, 243, 242 Hex: #F5F3F2

Background Dark Accent



RGB: 229, 226, 224 Hex: #E5E2E0

CMYK: 9, 8, 8, 0

Text Main



CMYK: 59, 54, 54, 25 RGB: 99, 95, 93 Hex: #635F5D

Text Light



CMYK: 46, 41, 44, 5 RGB: 142, 136, 131 Hex: #8E8883

Line White



CMYK: 0, 0, 0, 0 RGB: 255, 255, 255 Hex: #FFFFFF

Line Grey Accent



CMYK: 25, 19, 23, 0 RGB: 192, 192, 187 Hex: #C0C0BB

Data **Colors**

Main Colors

a thing



CMYK: 12, 24, 100, 0 RGB: 227, 186, 34 Hex: #E3BA22

a different thing



CMYK: 7, 57, 97, 1 Hex: #E6842A

another different thing



CMYK: 86, 35, 46, 10 RGB: 19, 123, 128 Hex: #137B80

another different thing



CMYK: 48, 61, 28, 4 Hex: #8E6C8A

neutral thing



CMYK: 42, 38, 49, 4 Hex: #978F80

No Data



CMYK: 9, 8, 8, 0 Hex: #E5E2E0

a subset of the thing



CMYK: 6, 9, 78, 0 RGB: 242, 218, 87

a subset of the thing



a subset of the different thing



CMYK: 2, 31, 76, 0

a subset of the different thing



a subset of the other different thing



CMYK: 70, 17, 28, 0

a subset of the other different thing



a subset of the other different thing



CMYK: 31, 42, 18, 0 RGB: 179, 150, 173

a subset of the other different thing



a subset of the neutral thing



CMYK: 25, 22, 32, 0 RGB: 193, 186, 169

a subset of the neutral thing



Hex: #7C715E

Specialty Colors

Republican



CMYK: 27, 84, 96, 22 Hex: #9A3E25

Democrat



CMYK: 89, 52, 27, 6 Hex: #E6842A

Independent



CMYK: 58, 34, 73, 13 Hex: #708259

Con



CMYK: 18, 95, 98, 8 Hex: #BD2D28

Pro



CMYK: 84, 24, 60, 5



Money



Hex: #5C8100

a subset of independent a subset of Pro a subset of Con



a subset of Republican

CMYK: 25, 60, 69, 8 RGB: 179, 112, 85 Hex: #B37055

a subset of Democrat



Hex: #688BAB

Hex: #95A17E

RGB: 226, 90, 66

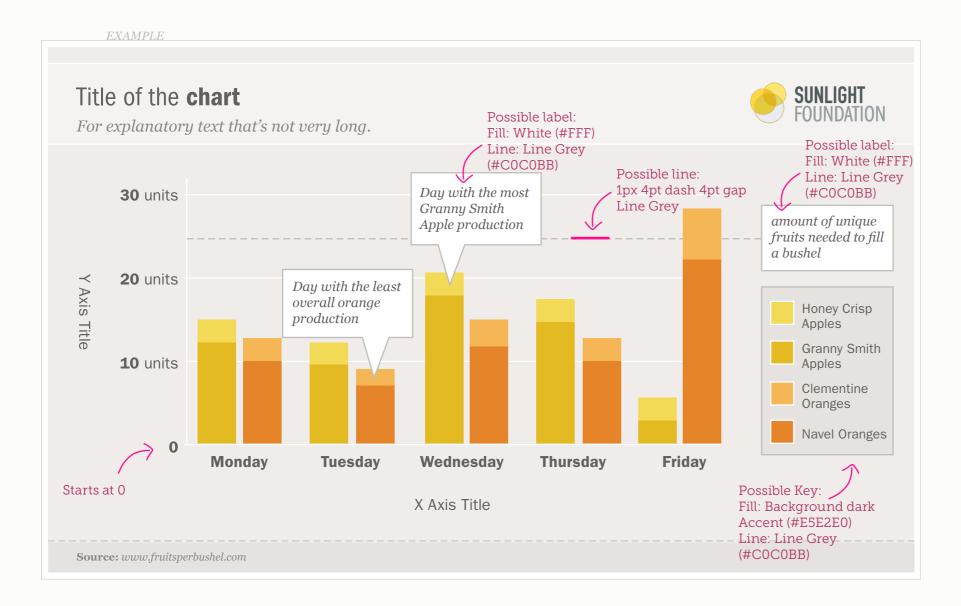


a subset of Money



CMYK: 43, 12, 100, 0

Bar Graph (categorical)

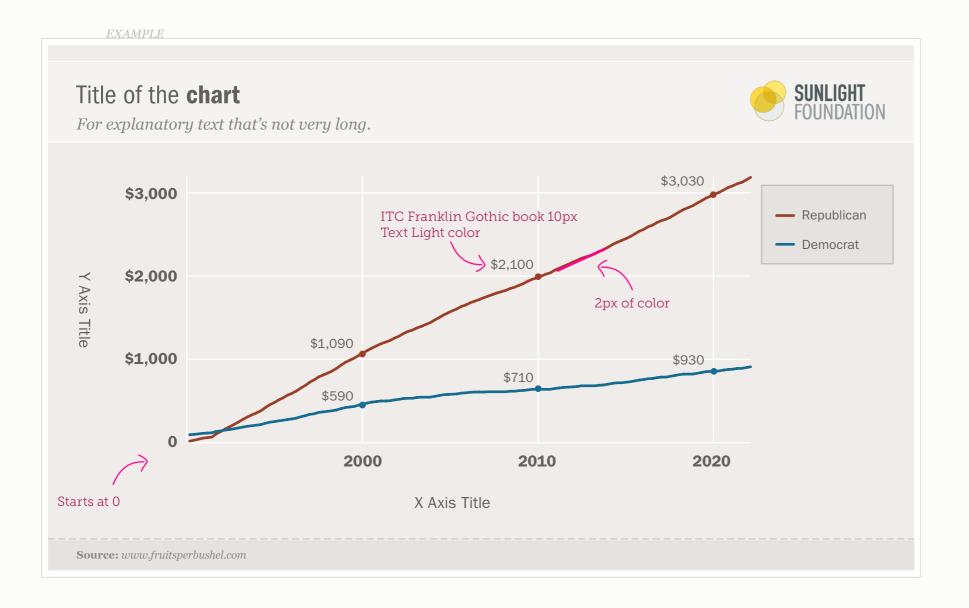


When to use a Bar or Column Chart

- » Use mostly for one variable.
- » Compares numerical values for different observations. Shows relative amounts.
- » Grouped or stacked bars or columns can break that one numerical variable out into different sub-groups.

	Honey Crisp	Granny Smith	Clementine	Navel
Monday	3	12	3	10
Tuesday	3	9	2	7
Wednesday	3	18	4	12
Thursday	3	15	3	10
Friday	3	3	5	22

Line Graph (political)

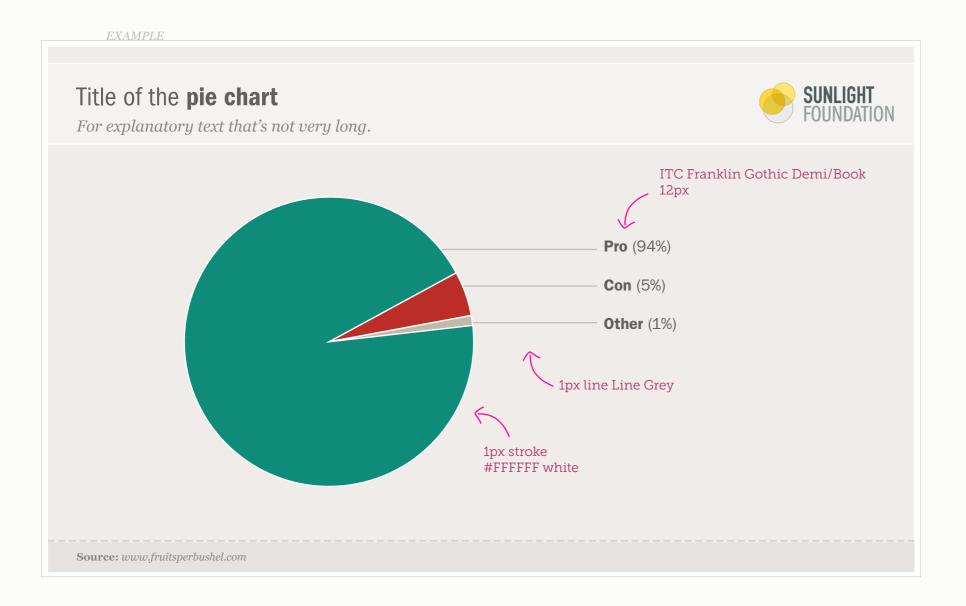


When to use a Line Graph

- » Shows the trend in one variable usually over time.
- » Multiple lines can show multiple variables (if they are on the same scale).
- » Multiple lines can also show the same variable for multiple observations.

Time	Republican	Democrat
1990	1	2
1991	2	5
1992	4	9
1996	6	13
1994	7	15
1995	8	17

Pie Chart (pro/con)

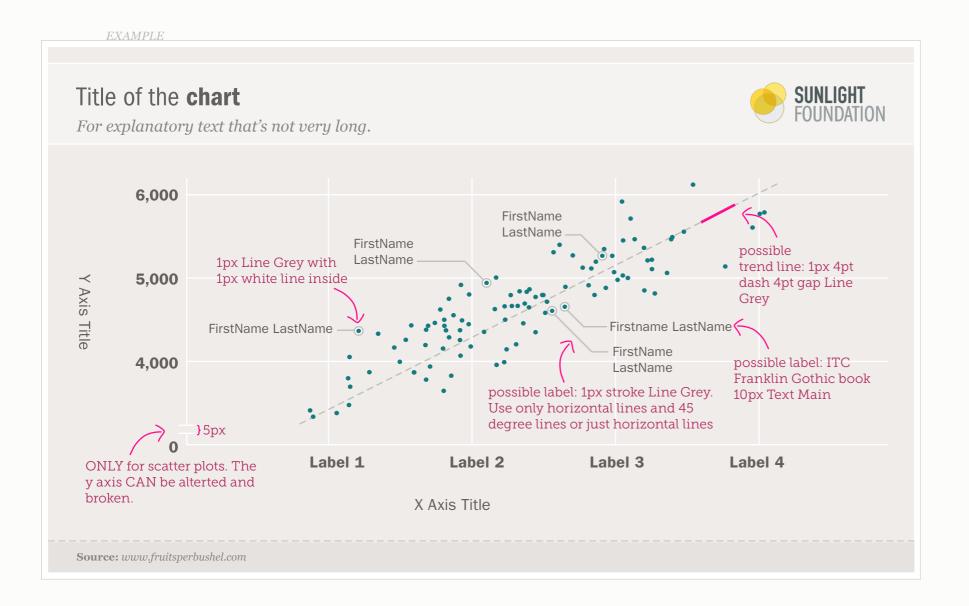


When to use a Pie Chart

- » Use them very sparingly. Often a bar or column chart is better. It is much more difficult to visually judge the size of circles (or circle segments) vs. rectangles.
- » You want to show the relative relationship between 2-3 things.
- » They add up to 100% (which may necessitate the inclusion of a category such as "none", "other", etc.)

Pro	Con	Other
94	5	1

Scatter Plot (single variable)

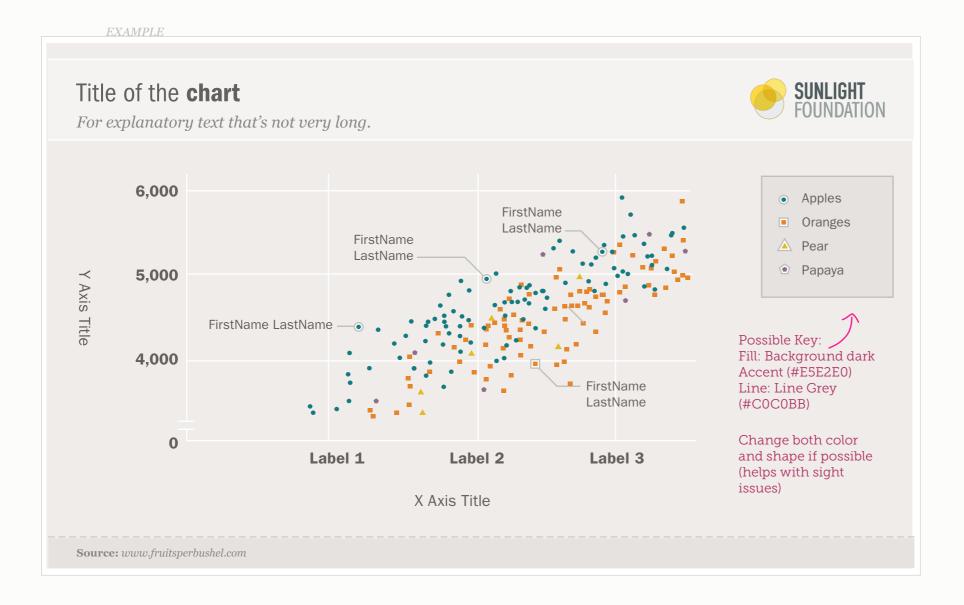


When to use a Scatter Plot

- » Shows the relationship between two continuous variables for your set of observations.
- » Each point in the plot represents an object.
- » You can change color or symbol to show groups.
- » Sometimes it is nice to show a trend line (regression).

variable 1	variable 2
7.560309668	48.87193277
8.569477057	57.70873996
5.178854559	35.50990599
5.044602676	31.94896911
7.629095533	49.76954493
6.631379	46.66529366
7.035723733	45.68632108
8.152163624	57.46279438

Scatter Plot (multi variable)

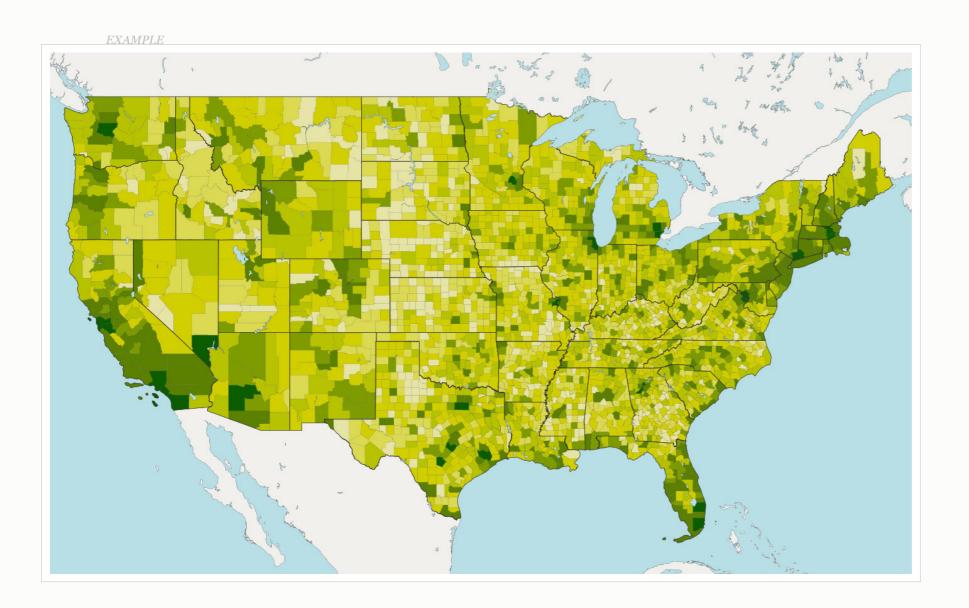


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Map (sequential, single hue, money)

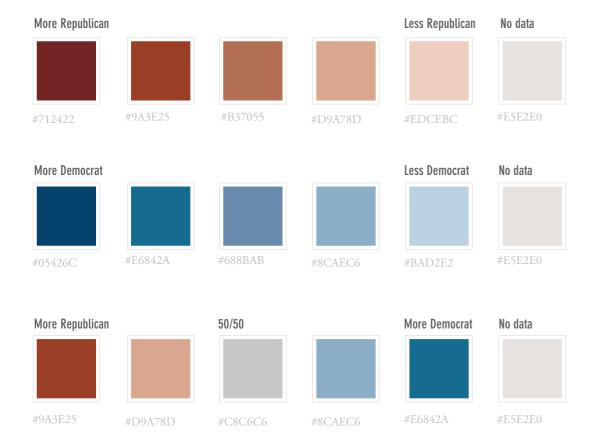


When to use a Map

- Be sure to only use a map if the primary component of your data is geographical.
 Sometimes a ranked list or bar chart is better if you are just trying to compare a single value for each state.
- » Color scale comparisons are harder for humans than size comparisons. Keep this in mind as you choose between a map or another layout.

Choropleth **Colors** (for maps)

Political Colors (stick to choropleths of 5 or fewer colors for maximum readability)



• Non-political Colors (stick to choropleths of 5 or fewer colors for maximum readability)



Network Graph **Colors**

30 colors. TRY not to use them all.

