





A visual representation of information or data.

Infographics make information easier to comprehend at a glance.

Information + Graphic = Infographic

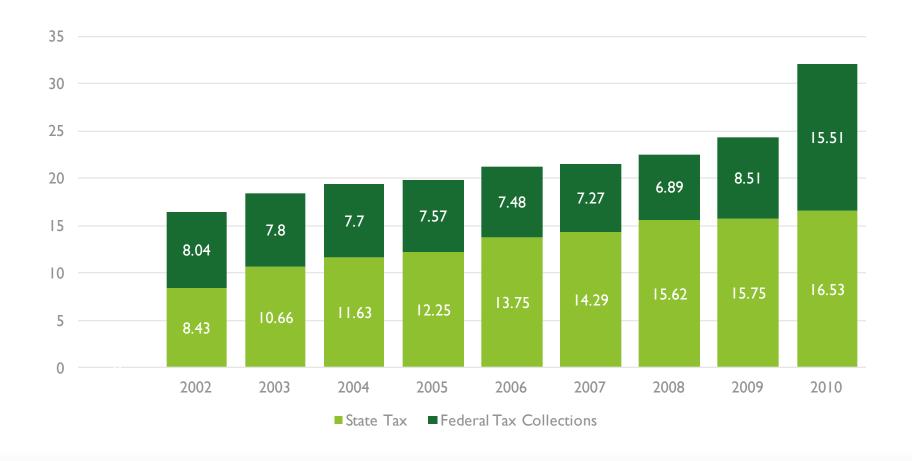


U.S. History of Taxation on Cigarettes In Billions of Dollars

| Years | State Tax Collections | Federal Tax Collections |
|-------|--------------------------|-------------------------|
| 2002 | 8.43 | 8.04 |
| 2003 | 10.66 | 7.8 |
| 2004 | 11.63 | 7.7 |
| 2005 | 12.25 | 7.57 |
| 2006 | 13.75 | 7.48 |
| 2007 | 14.29 | 7.27 |
| 2008 | 15.62 | 6.89 |
| 2009 | 15.75 | 8.51 |
| 2010 | 16.53 | 15.51 |



U.S. History of Taxation on Cigarettes In Billions of Dollars





U.S. HISTORY OF TAXATION ON CIGARETTES IN BILLIONS OF DOLLARS STATE TAX COLLECTIONS 16.53 FEDERAL TAX COLLECTIONS 15.51 15.75 15.62 8.51 14.29 12.25 13.75 11.63 10.66 6.89 8.43 7.57 7.48 7.80 8.04 2002 2003 2004 2005 2006 2007 SOURCE: NOCIGTAX.COM





In todays world, we create more information in two days then all of mankind had created up until 2003.

- Google CEO, Eric Schmidt (2010)





- Information overload
- Fast paced society
- Attract and entice readers to dig deeper
- It makes dull information interesting and easier to digest

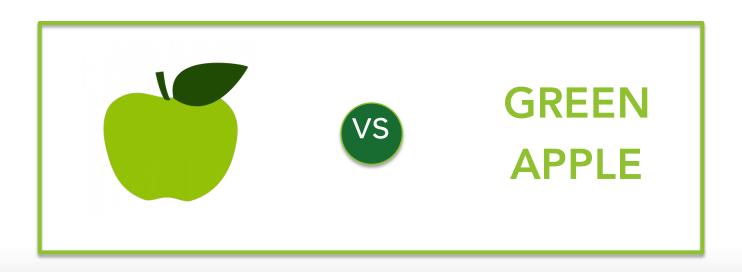






Infographic Benefits

 It is faster and easier to visually communicate something then it is to read it







 Transforms passive readers into active participators as they explore your data and draw their own conclusions

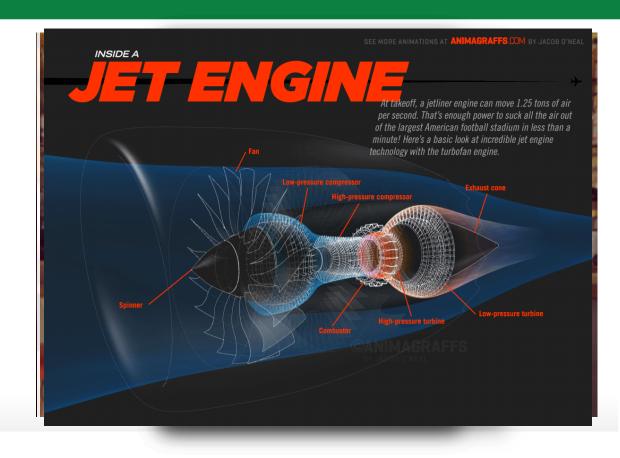
- Can easily be shared (especially through social media)
 - Viewers are more likely to share visual content maximizing your reach





Types of Infographics

- 1. Statistical
- 2. Informational
- 3. Timeline
- 4. Process
- 5. Geographic
- 6. Comparison
- 7. Hierarchy
- 8. Interactive
- 9. Motion & Video







How can Infographics be used?

- Enhance community engagement
- Increase awareness

 Inform elected officials on items such as budget and policy proposals





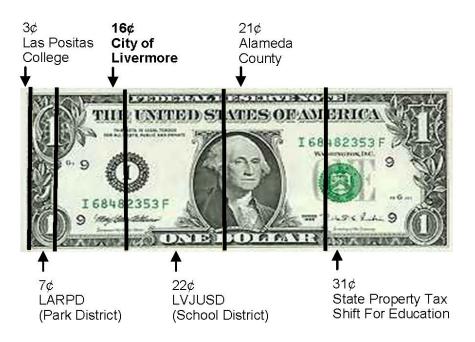
How can Infographics be used?

- About Us Page
- Visual Press Releases
- Newsletters
- Editorial
- Presentations
- Annual Reports

To explain a workflow or process

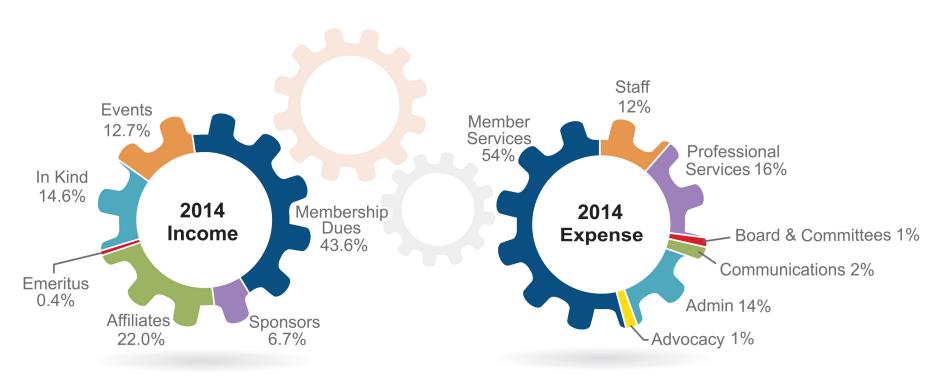


Where does your Property Tax Dollar go?



FINANCIALS

Fiscal prudence and innovation drives ACC-OC's financial model. As a result, the organization has leveraged city dues by nearly 2:1 in 2014. This means increased services and static dues. For a full budget, please visit www.accoc.org



- ACC-OC has nearly doubled every dollar of city dues in other income, making your investment go further

 Ohomographic Dues Increase in 4 years of service
- 500+ Number of cities, organizations, businesses, non-profits, educational institutions and individuals invested in the success of good public policy

CITY BUDGET BREAKDOWN

n July 21, 2014, the City Council formally adopted its Annual Budget and Financial Plan for Fiscal Year 2014-15. The following provides an overview of the City's revenues and spending.

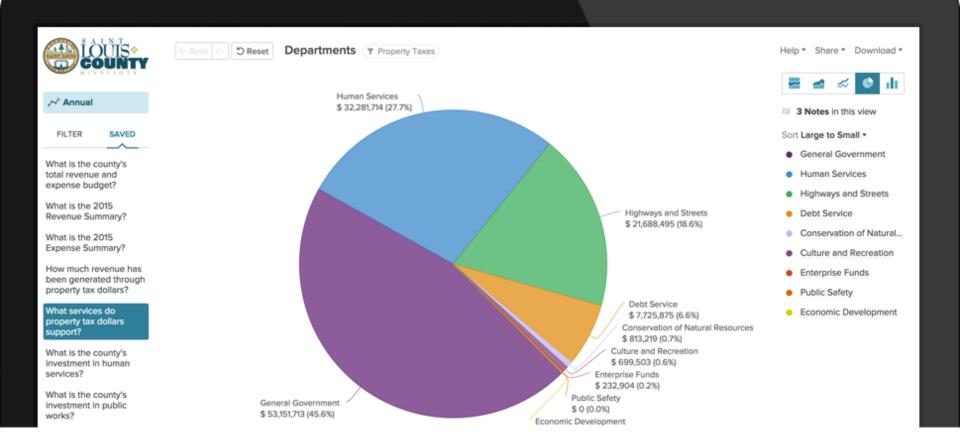
From July 2014 through June 2015, the City will receive approximately \$12.1 million in various revenues and will expend about \$11.3 million for municipal operations. In addition, \$6.2 million will be used for various capital improvements throughout the community. By the end of the fiscal year, it is estimated that the City will have approximately \$14.3 million in its reserve fund, or roughly 125% of its annual operating budget.



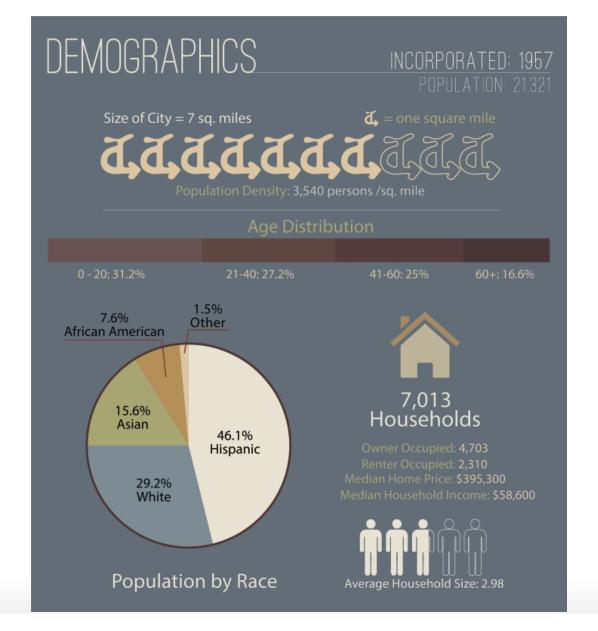
The City is proud of its long tradition of fiscal responsibility and sustainability. While so many other cities have faced significant hardship in the wake of the "Great Recession," the City has balanced its budgets and maintained a very healthy reserve fund. Being good stewards of taxpayer dollars is one of the City Council's top priorities and that mindset is again reflected in this year's budget.

Residents can review the entire budget online at the City's website: www.lcf.ca.gov/finance/budget.

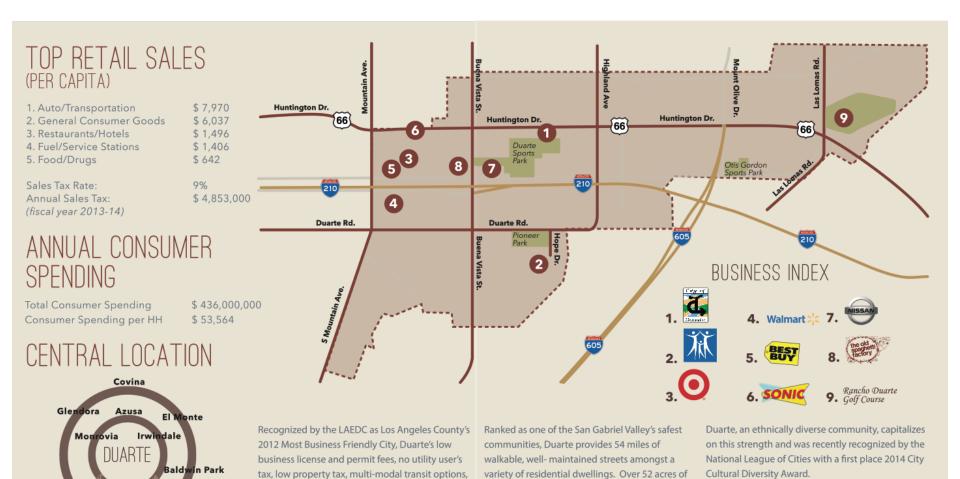












open space and 14 parks create an ideal setting

Claritas.com; City-Data.com; Hinderliter, DeLlamas and LAEDC

Economic & Policy Analysis Group

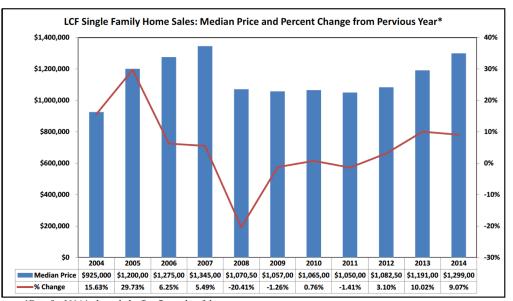
for any outdoor enthusiast or family outing.

strategic access to the 210, 605, and 10 freeways,

and the soon to open METRO Gold Line, have

fostered a dynamic business environment.





*Data for 2014 is through the first 7 months of the year

Single Family Home Sales City of La Cañada Flintridge Median Price Change from Previous Year* \$1,191,100 \$1,082,500 s-1,065,000 \$1,050,000 \$1,057,000 Ħ Æ 2008 2009 2010 2011 2012 2013 2014

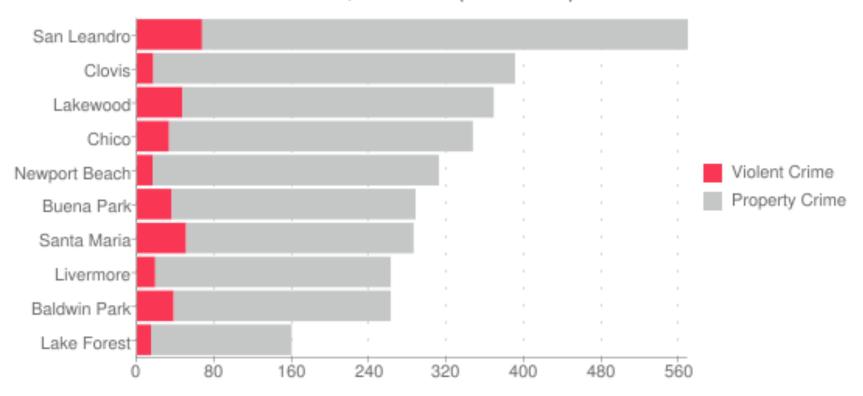
Figure 1

*Data for 2014 is through the first 7 months of the year





Crime rates per 1,000 population in cities like Lakewood, California (1999-2008)





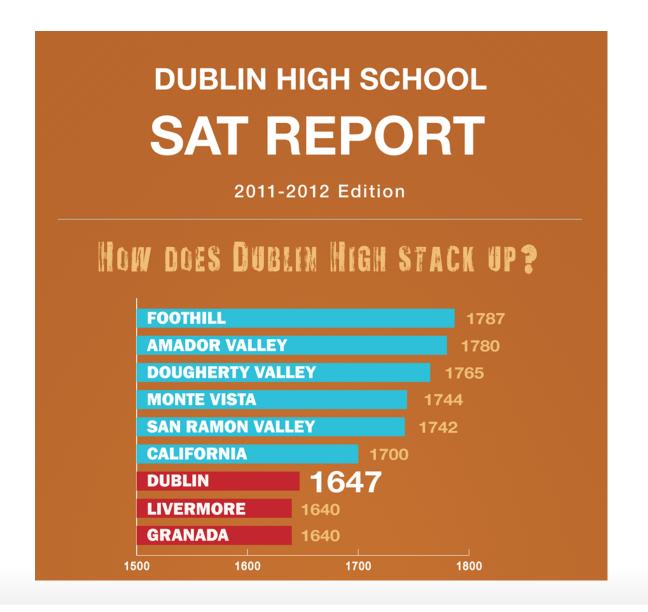
2012 Lakewood Property Crime Comparison



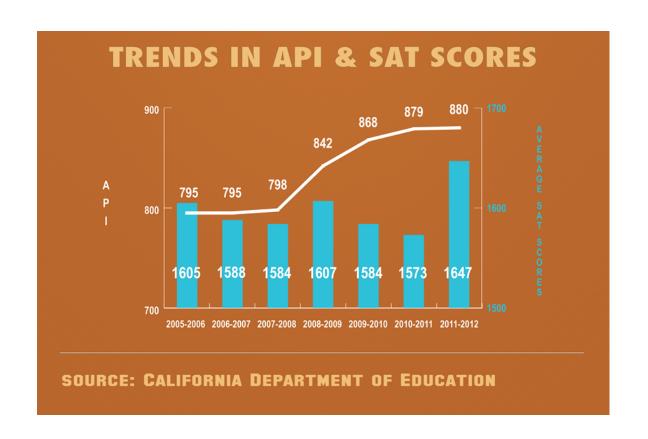
Compared to U.S. average. (U.S. average equals 100)

© 2015 CityRating.com - http://www.cityrating.com/crime-statistics/











You can also use rainwater for your washing machine providing the right filtration is in place, further reducing your water use from the mains.





Reduce Water Costs / Save Money with Rainwater Tanks Harvesting Systems





- 1. Data Structure
- 2. Data Relationship
- 3. Editorialize
- 4. Identify Novelty
- 5. Visualize



Two Approaches

Explorative

Allows viewer to form their own conclusions or insights

Characteristics

- Minimalist
- Only includes elements that represent data
- Communicates information in the most clear and concise manner



Narrative

Aims to lead viewers to a specific conclusion

Characteristics

- Illustrative
- Design-focused
- Appeals to viewers though engaging visuals
- Informs and entertains



Two Approaches

Explorative

Used in:

- Academic Research
- Science
- Business Intelligence
- Data Analysis



Narrative

Used in:

- Publications
- Blogs
- Content Marketing
- Sales and Marketing
 Materials





Types of Data Relationships

Find the best method to display your data

- 1. Nominal Comparison
- 2. Time Series
- 3. Ranking
- 4. Part-to-Whole
- 5. Spatial
- 6. Process





1. Nominal Comparison

Compares a subcategories' quantitative values













2. Time Series

Categorical quantitative values distributed across divisions of time Shows trends, or how values change over time











Types of Data Relationships

3. Ranking

Communicates ranking from highest to lowest, or vice versa







4. Part-to-Whole

Shows how a set of categorical subdivisions' quantitative values relate to one another as parts of a whole.

All parts must add up to 100%











Types of Data Relationships

5. Spatial

Shows how data relates to space and geography.

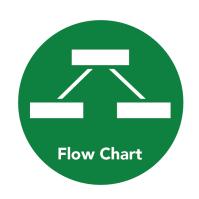






6. Process

Show steps involved in activities and multiple parties engaged in a process.







- It distracts from the intended message
- When the illustration is misleading
 - Accidental distortion of the data's display
 - Data is incomplete or meaningless







Horizontal Labels

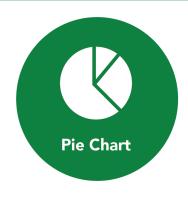
- Keep labels horizontal as best as possible
- Can abbreviate or go vertical with your bar chart to keep text horizontal
- Use consistent colors
 - 3-4 colors

Space Bars Appropriately

- About ½ the width of the bar in between ea. bar
- Start the y-axis at zero
 - If need be, the scale can be truncated but it needs to be clearly marked







Minimize pieces

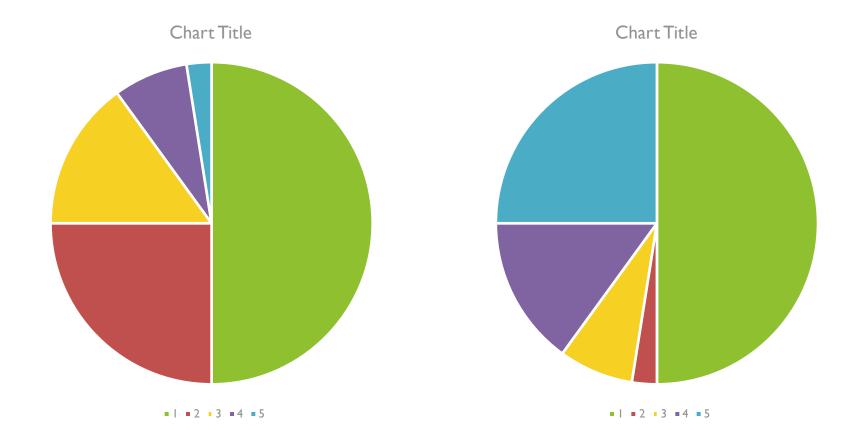
 5-7 categories in a pie chart

Don't use multiple pie charts for comparison

- All data adds up to 100%
- Order Slices correctly













Use bold lines

 5-7 categories in a pie chart

Include a zero in the baseline if possible

- Keep it simple
 - Try not to plot more than4 lines
- Label the lines directly
- Lines the correct height







Stacked Area Graph

Layering

Layer your most volatile piece of data on top, least change on bottom

Start the y-axis at zero

- Keep it simple
 - Don't display more than4 categories
- Use Transparent Colors
- Don't use area charts to display discrete data







- Note Your Scale
- Don't distort the data display
- Keep Content Simple
- Use Radius Rings for Proximity
- Note Community Landmarks





- Trends
- Seasonality
- Correlation
- Outliers



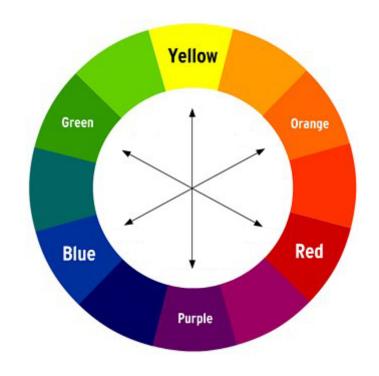


- Contrast
- Hierarchy
- Accuracy
- Relevance
- Truth



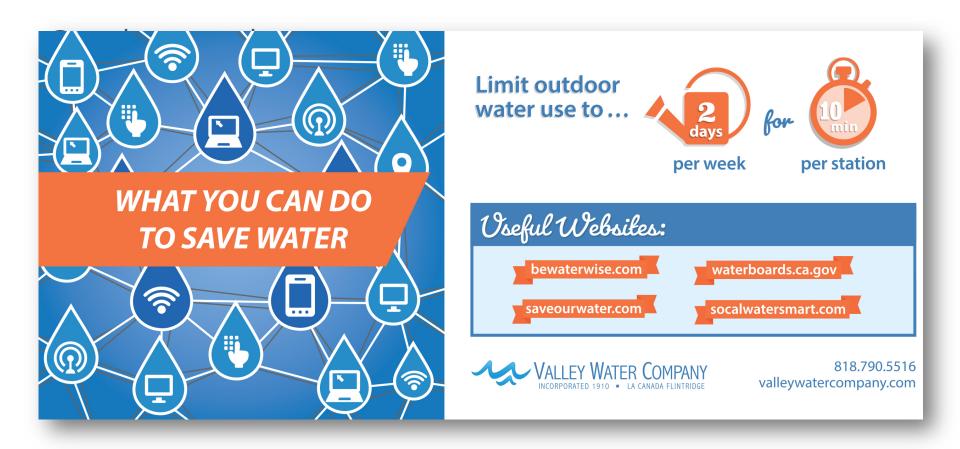
Can be used to draw viewers attention.

Contrast creates tension.

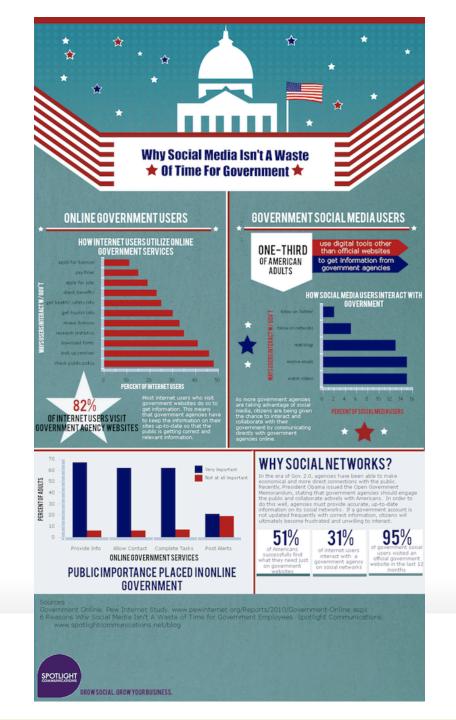


Contrasting colors sit across from one another on the color wheel.



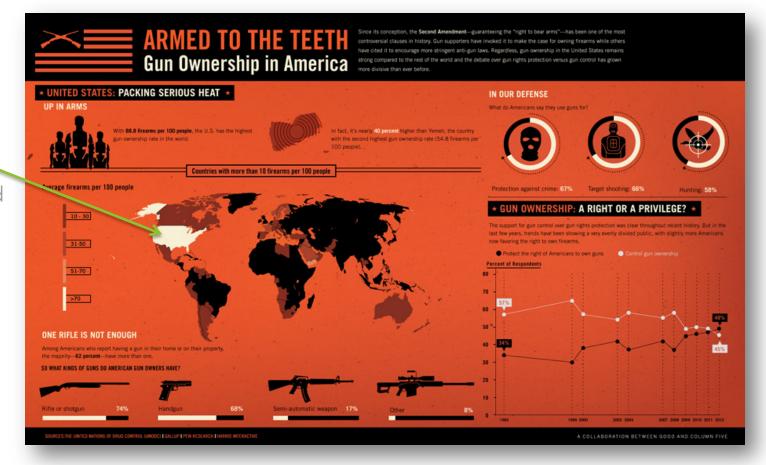








Example of how color can be used to illustrate how much something stands out from the rest.





Leads the reader's eye, tells them what to read 1st, 2nd, 3rd, etc.

- Font size
- Weight
- Opacity
- Leading
- Position

Font size

ABC
ABC

28pt

20pt

11pt



Leads the reader's eye, tells them what to read 1st, 2nd, 3rd, etc.

- Font size
- Weight
- Opacity Leading
- Position

Weight

ABC

ABC.

Regular

AR()

Light



Leads the reader's eye, tells them what to read 1st, 2nd, 3rd, etc.

- Font size
- Weight
- Opacity Leading
- Position

Opacity

ABC

100% opacity

ABC

80% opacity

40% opacity



Leads the reader's eye, tells them what to read 1st, 2nd, 3rd, etc.

- Font size
- Weight
- Opacity
- Leading
- Position

Leading

Leading: The space between letters.

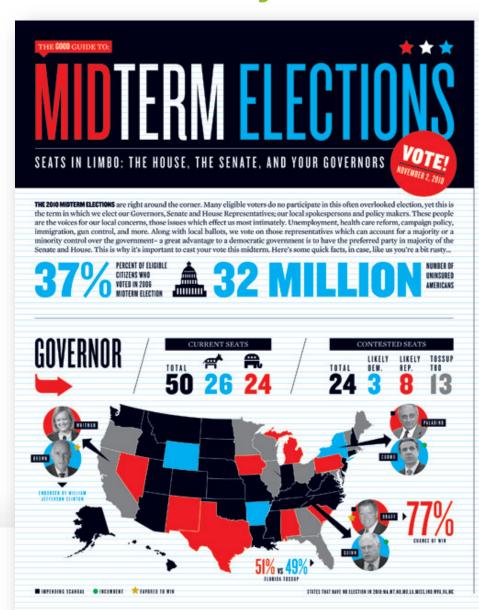


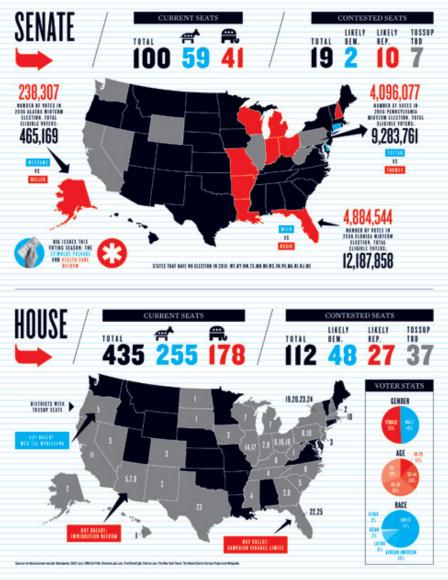
200 pt leading



-10 pt leading





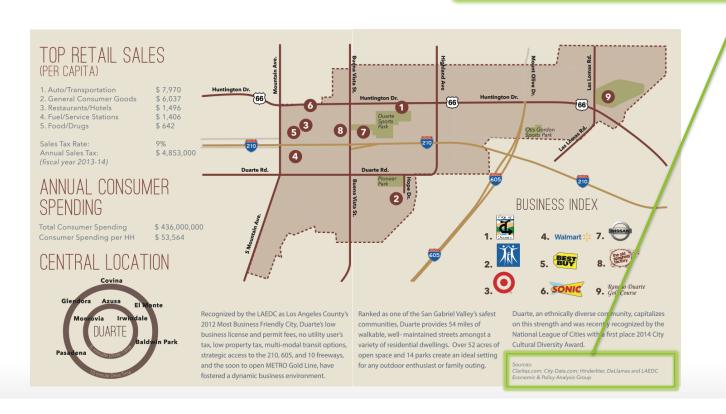


Accuracy

Reveal your sources (tiny print, footnotes etc)

Sources:

Claritas.com; City-Data.com; Hinderliter, DeLlamas and LAEDC Economic & Policy Analysis Group





Relevance

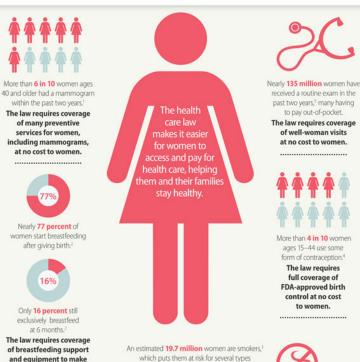
Don't add a cool graphic if you don't need it to tell your story.

Ask someone else to view your infographic. If you have to explain something to them then the infographic isn't doing the job you want it to.

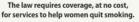


The Affordable Care Act

Addressing the unique health needs of women



which puts them at risk for several types of cancer and heart disease.





The Health Care Law Protects Women

going back to work easier

for breastfeeding moms.

- Women cannot be denied coverage due to a pre-existing condition.
- Women can choose any primary care provider or OB-GYN in their health plan's network.
 - Women cannot be charged more than men for the same health coverage.
 - Women's health coverage must include pregnancy and newborn care.

More choices. More control. Better health.

An important part of the law is the new Health Insurance Marketplace. Starting October 1, Americans, including 18.6 million women who are uninsured,6 will be able to find insurance that fits their needs—all in one place.

Learn more about the law at HHS.gov/HealthCare. Get ready for the Health Insurance Marketplace at HealthCare.gov.

Truth

Use the same scale if you are using more than one chart

Note the difference in scale. Not an accurate depiction when comparing these two charts.







Truth

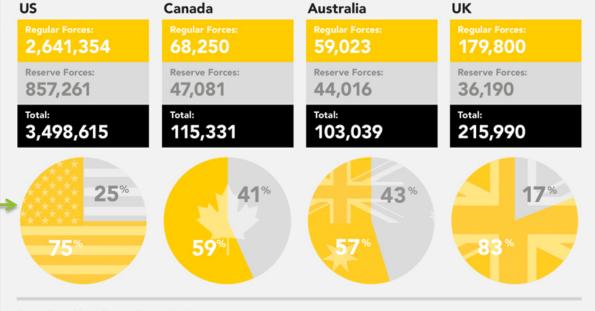
Use the same scale if you are using more than one chart

Each Pie chart is the same size and is measured in the same units.

Comparison today

There is a profound difference between the balance of Regular and Reserve components in the UK military, and that of our principal NATO allies US and Canada, and NATO global partner Australia.





Source: US Armed Forces: Demographic reports (2010)

Canadian Armed Forces: Recruiting and Retention in the Canadian Forces (2011)

Australian Department of Defence: Average levels for financial year 2010-11

MOD, Defence Analytical Services and Advice (DASA): UK Armed Forces monthly personnel report and UK Reserve Forces & MOD Sponsored Cadet Forces report (1 April 2012)





Infographic Resources

Building Charts/Graphics:

- Piktochart
- Tugxedo
- Tagul
- Google My Maps
- Kuler (Adobe)

Data:

- Data.gov
- Opengov.com
- City Vendors
- ESRI
- Census.gov
- Comcate
- SM Platforms





Workshop

Break Into Group of 4-5 People

Think About a Story Your City Can Tell with Data

- Data Source(s)?
- Best Graphic/Display Type?
- Possible Visual Elements?
- Anticipated Storyline?
- Message Public Should Conclude from Infographic?

One Person Reports Back to Total Group

