

# Визуализация данных для самых маленьких

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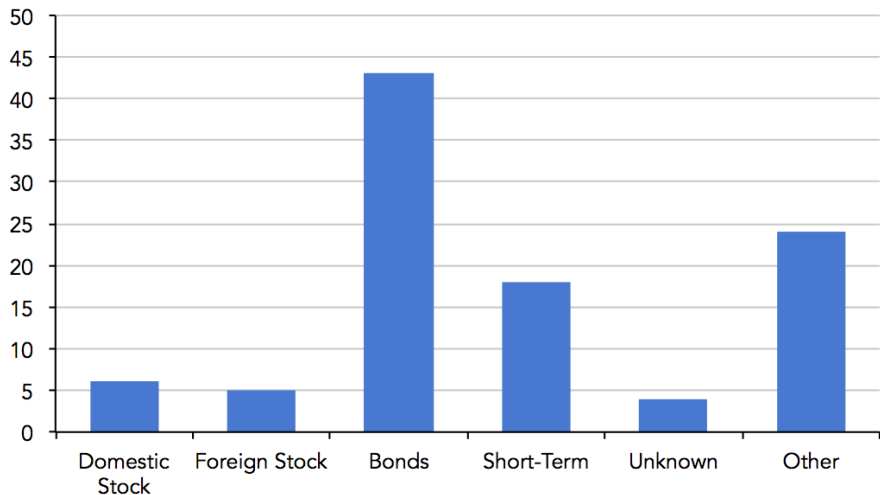
27 июля 2018 г.



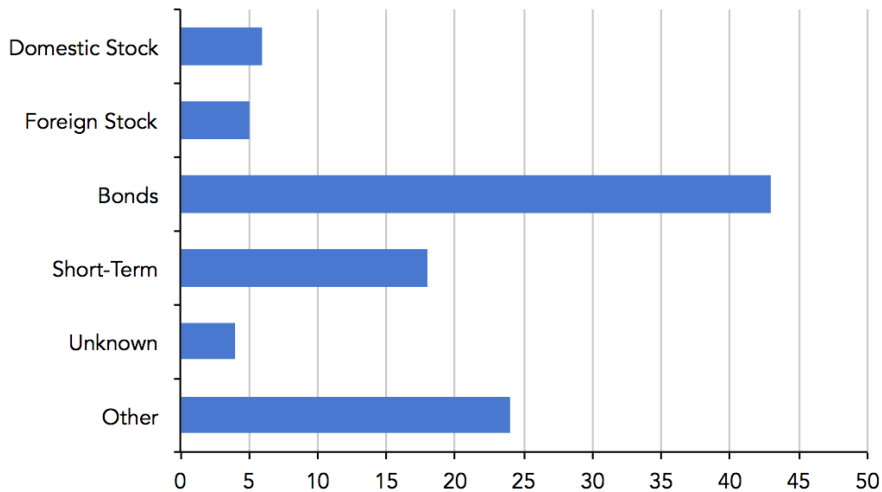
## Источники

- ▶ Thomas S. Tullis and Michaela Case tested 2D and 3D versions of bar, column, donut, and pie charts. The findings showed strong performance differences in favor of 2D charts.  
<http://uxmetricsgeek.com/pubs/2d-vs-3d-charts/>;
- ▶ Edward Tufte, “The Visual Display of Quantitative Information”.

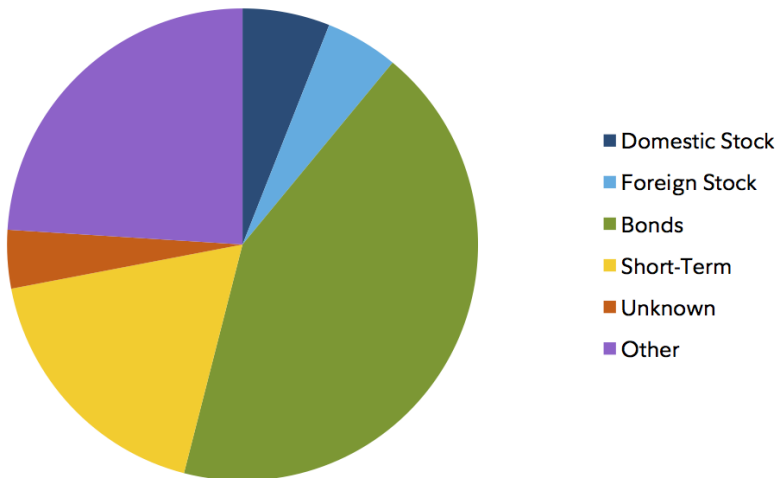
# Charts



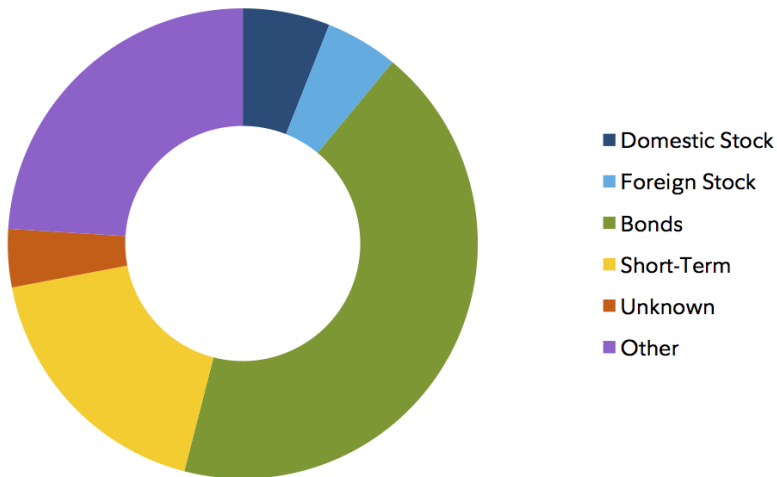
# Charts



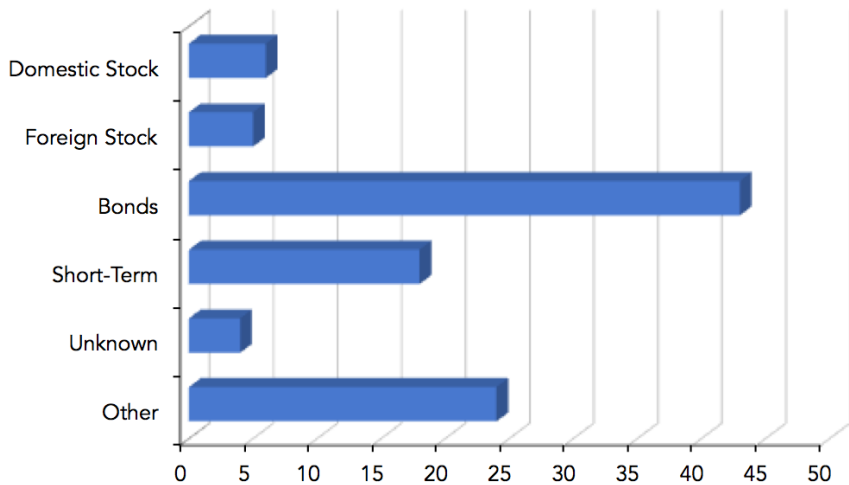
# Charts



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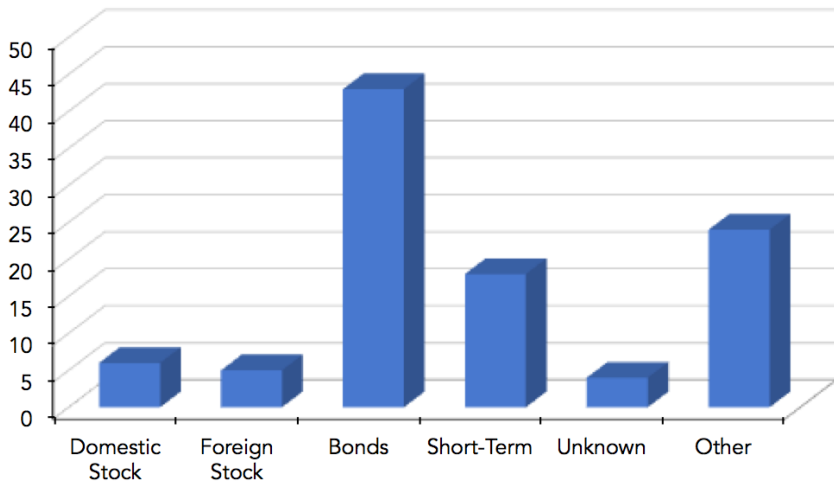


# Charts

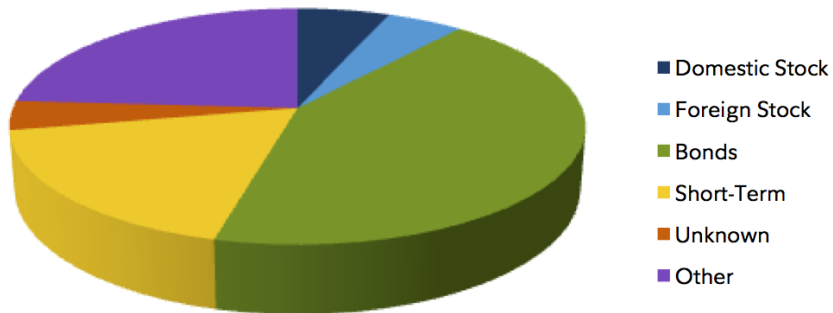




# Charts



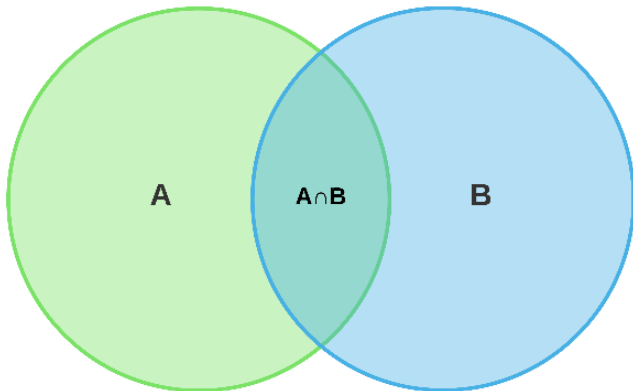
# Charts



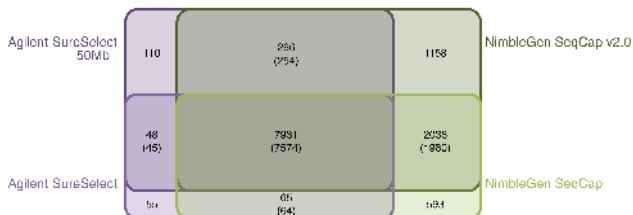
# Charts



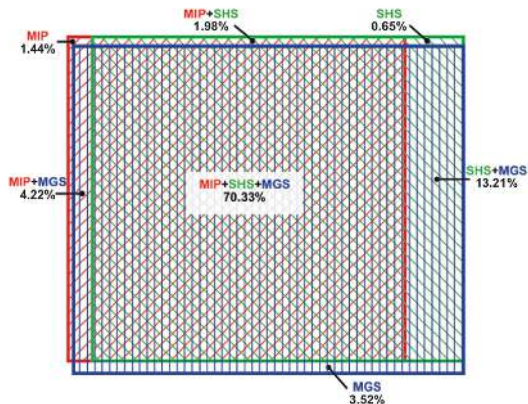
# Venn diagrams



# Venn diagrams

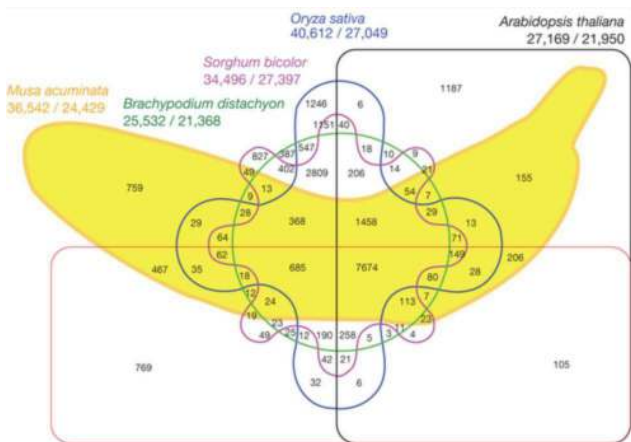


# Venn diagrams

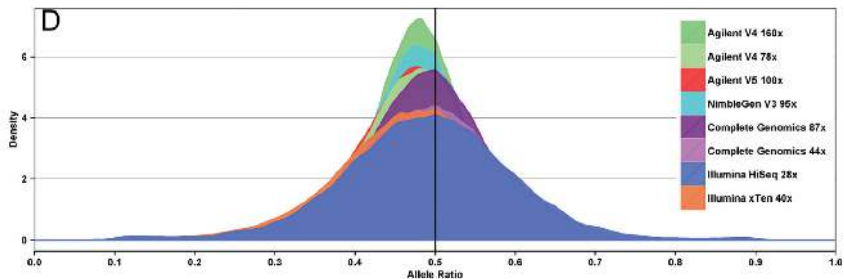


**Figure 4.** ROI regions with genotype assignments. The Venn diagram of overlapping genotype coverage is area proportional. Colored rectangles identify the proportion of genotype assignments in the ROI for each method: (red) MIP; (green) SHS; (blue) MGS. Note that the greatest overlap is among all three methods, and the second greatest is between SHS and MGS. The numbers sum to 95.35% because 4.65% of the ROI was not assigned a genotype in any method.

# Venn diagrams



# Readable?

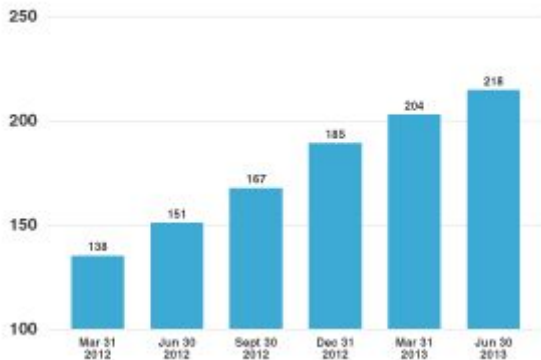




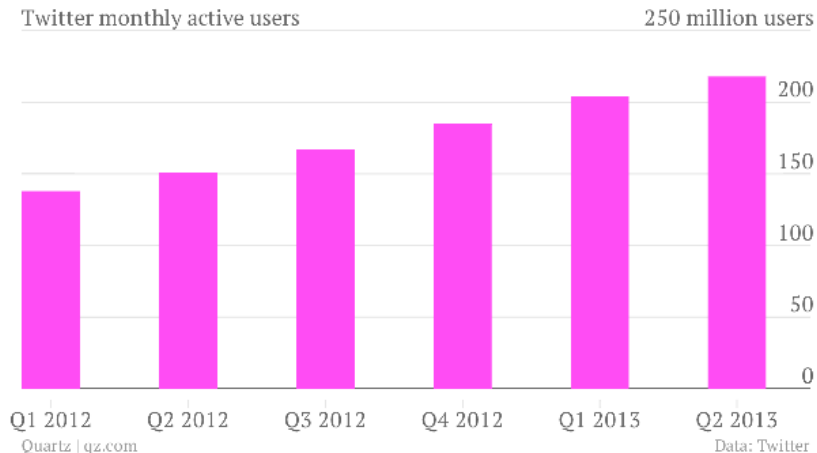
# Examples: Twitter

## Monthly Active Users

(quarterly average in millions)



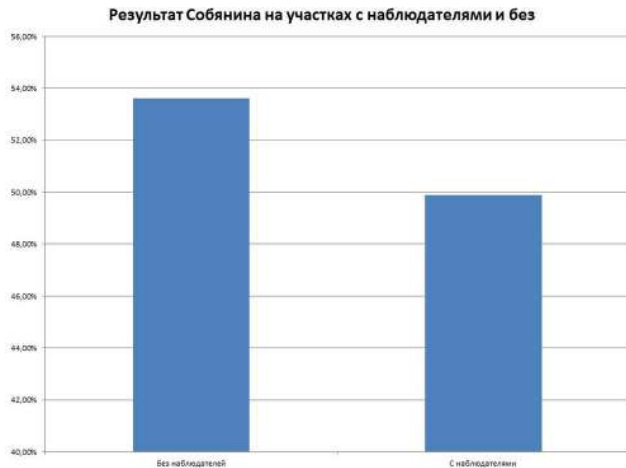
# Examples: Twitter



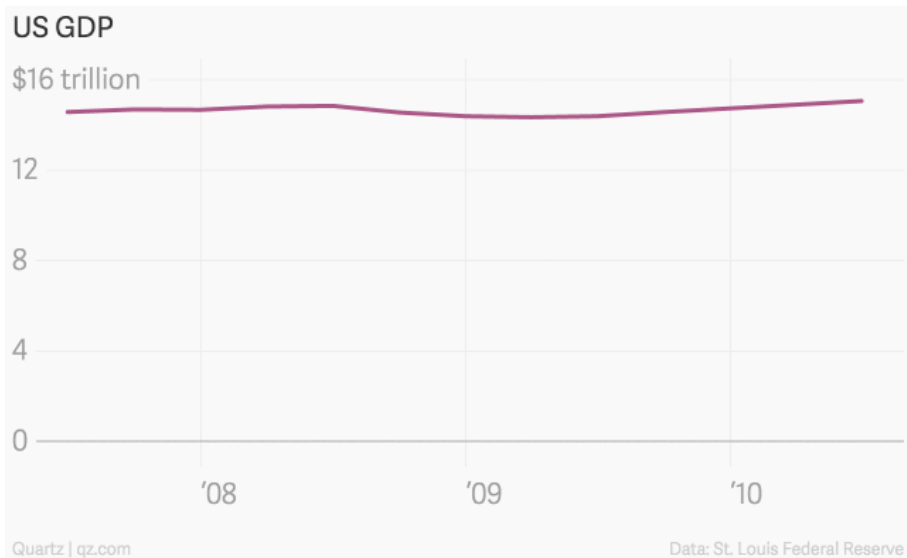
# Examples: Chevy



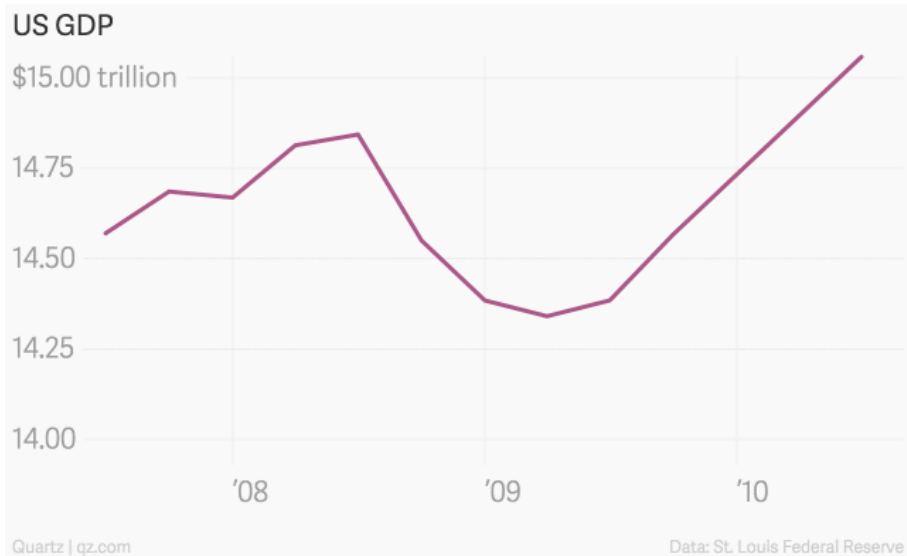
# Examples: Elections



# Sometimes it's OK not to start your y-axis at zero

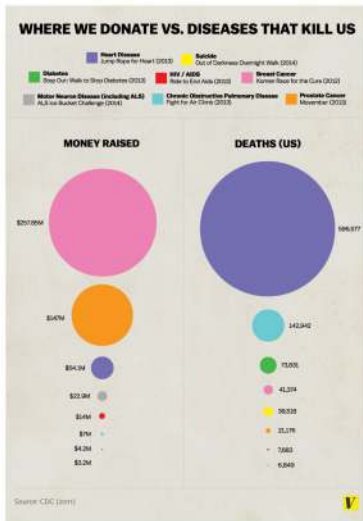


# Sometimes it's OK not to start your y-axis at zero

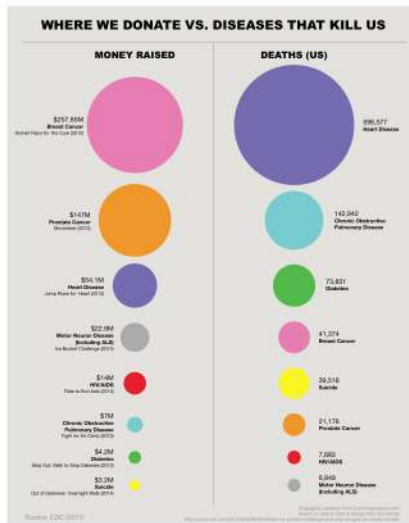


# Infographics

## Original Design



## Corrected Design



## WHERE WE DONATE VS. DISEASES THAT KILL US

### MONEY RAISED

\$54.1M  
Heart Disease  
Jump Rope for Heart (2013)



\$7M  
Chronic Obstructive  
Pulmonary Disease  
Fight for the Clinic (2013)



\$4.2M  
Diabetes  
Step Out Walk to Stop Diabetes (2013)



\$257.85M  
Breast Cancer  
Komen Race for the Cure (2013)



\$3.2M  
Suicide  
Out of Darkness Overnight Walk (2014)



\$147M  
Prostate Cancer  
November (2013)



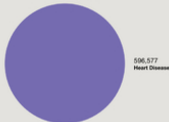
\$14M  
HIV/AIDS  
Ride to End HIV (2013)



\$22.9M  
Motor Neuron Disease  
(Including ALS)  
Ice Bucket Challenge (2014)



### DEATHS (US)



596,577  
Heart Disease



142,942  
Chronic Obstructive  
Pulmonary Disease



73,831  
Diabetes



41,374  
Breast Cancer



39,518  
Suicide



21,176  
Prostate Cancer



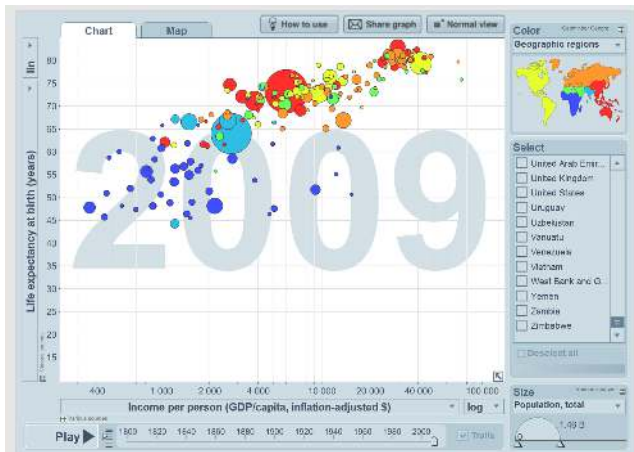
7,683  
HIV/AIDS



6,649  
Motor Neuron Disease  
(Including ALS)

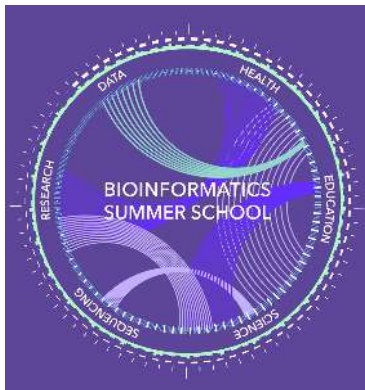


# Gapminder



[gapminder.com/world](http://gapminder.com/world)

# Circus Plot



Best figure ever!

Thank you!