Design Critique

Lab 18 Group 50
Marcos Juarez, Amber Vasquez

World's Biggest Data Breaches and Hacks: Amber

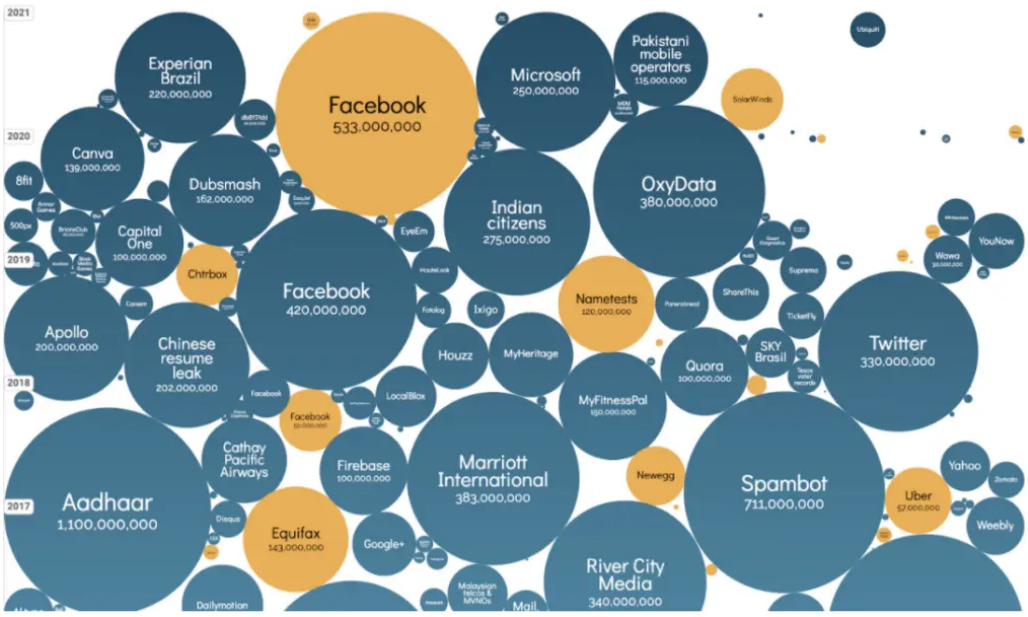


Image: information is beautiful
If it seems like you're hearing about more and more data breaches every day, this regularly updated data visualization will show you that it isn't your imagination. At a glance, The World's Biggest Data Breaches by Information is Beautiful shows how threats to data have increased over time as well as the biggest breaches.

https://www.udacity.com/blog/2015/01/15-data-visualizations-will-blow-mind.html The data: https://docs.google.com/spreadsheets/d/1i0oIJJMRG-7t1GT-mr4smaTTU7988yXVz8nPlwaJ8Xk/edit#gid=2

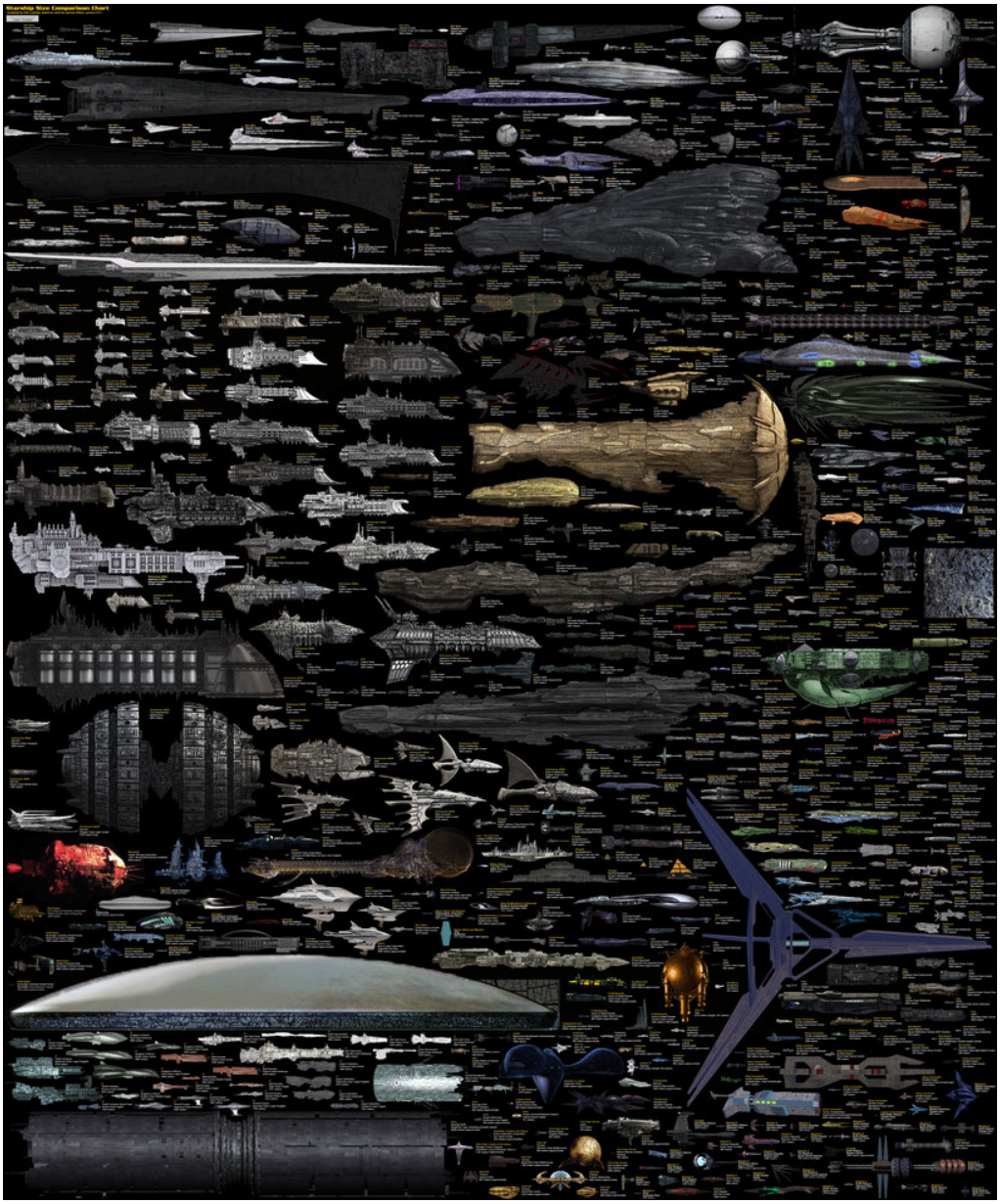
- ***Data Breaches***

    a. Are the labels and annotations easy to read?
        i. Yes, they are easy to read
    b. Does the data tell a story?
        i. Yes, if you go to the live link, the data is updated and you can view the chart from the beginning in 2004. Scrolling up through time, the amount of data breaches increases significantly, with everyone crowded at the top and having bigger and bigger data breaches.
    c. Did they use enough negative space, or would you use more or less and where?
        i. I like the use of negative space in this visualization, it is used to tell the story of ever increasing data breaches. At the bottom of the chart, there is much more negative space than the crowded top of the chart, signifying the increase of data breaches.
    d. Was color used appropriately?
        i. The color scheme was complementary, but I am unclear as a reader if the color has significant meaning or if it just indicates a gradiation through time

e. Is there chartjunk [**Chartjunk** refers to all visual elements in **charts** and graphs that are not necessary to comprehend the information represented on the **graph**, or that distract the viewer from this information.]?
    i. There is minimal chart junk, and great use of a tooltip type feature that links to further information if the reader wants to know more, rather than cluttering up the visualization
f. If interactive, does it follow all 7 of the interaction tasks?
    i. Yes, they are met, and I will mention the filtering and extraction are great. For history, it does not seem possible to keep a track on this visualization.

Size Comparison: Science Fiction Spaceships: Marcos

By visualizing the size of almost every single science fiction spaceship known to man, Loechel has done the world a public service.



Developer:

Dirk Loecheli
https://www.mastersindatascience.org/resources/10-cool-big-data-visualizations/

Science Fiction Spaceships

a. Are the labels and annotations easy to read
    i. No, not at all. The text is too small and the area is too crowded to read any information.
b. Does the data tell a story?
    i. Yes, in that the size of spaceships compared to each other is amazing!
c. Did they use enough negative space, or would you use more or less and where?
    i. Not at all! More negative space needed. I would suggest creating an interaction that lets a user scroll through horizontally or vertically to view the spaceships and their annotations so more negative space can be added.
d. Was color used appropriately?
    i. I think the black background color choice makes it hard to read the text needed. A lighter color would be easier with darker text
e. Is there chartjunk [**Chartjunk** refers to all visual elements in **charts** and graphs that are not necessary to comprehend the information represented on the **graph**, or that distract the viewer from this information.?
    i. I think the chart junk here is too many spaceships in one area, taking away the ability to read more information about each spaceship. Maybe it could have been made interactive so it could spread over a larger area as the user scrolled, like a timeline, to minimize chart junk of spaceship crowdedness.
f. If interactive, does it follow all 7 of the interaction tasks?
    i. It is not an interactive visualization