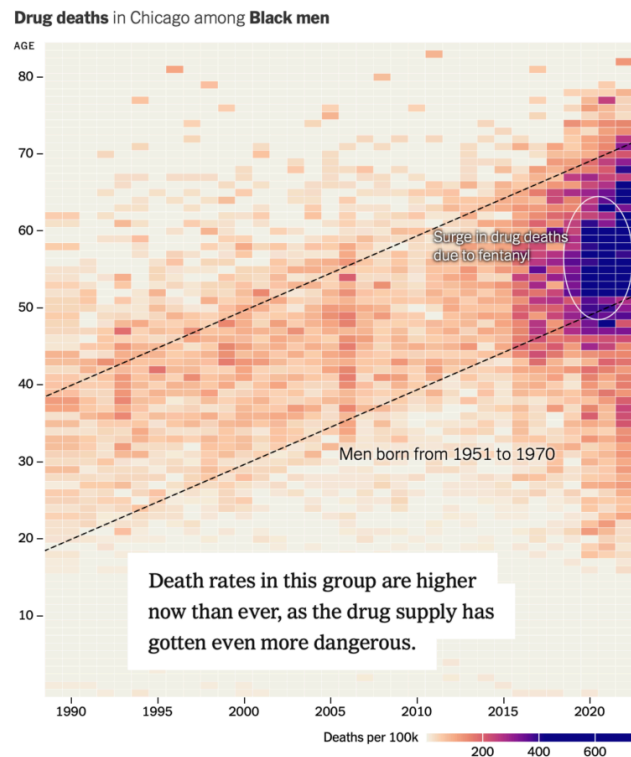


<https://flowingdata.com/2025/01/07/drug-overdose-deaths-seen-in-a-generation/>



1. List five facts the visualization conveys.

1. Drug deaths among Black men in Chicago are increasing in recent years.
2. The surge in drug deaths is due to fentanyl.
3. Drug deaths are mostly affecting black men aged 55 to 74
4. The mean/median age of black men dying from drugs has been slowly increasing since 1990.
5. The death rate of black men from drugs is at its highest in the last 35 years.

2. What do you think is the most important conclusion from this visualization?

I think the most important conclusion from the visualization is the first fact listed above, that the death rates due to drugs of black men are increasing significantly in recent years, as the visualization shows. This is striking because prior to 2015, the death rate due to drugs in this group was relatively static. The visualization conveys that it is due to fentanyl that the rate has increased so drastically.

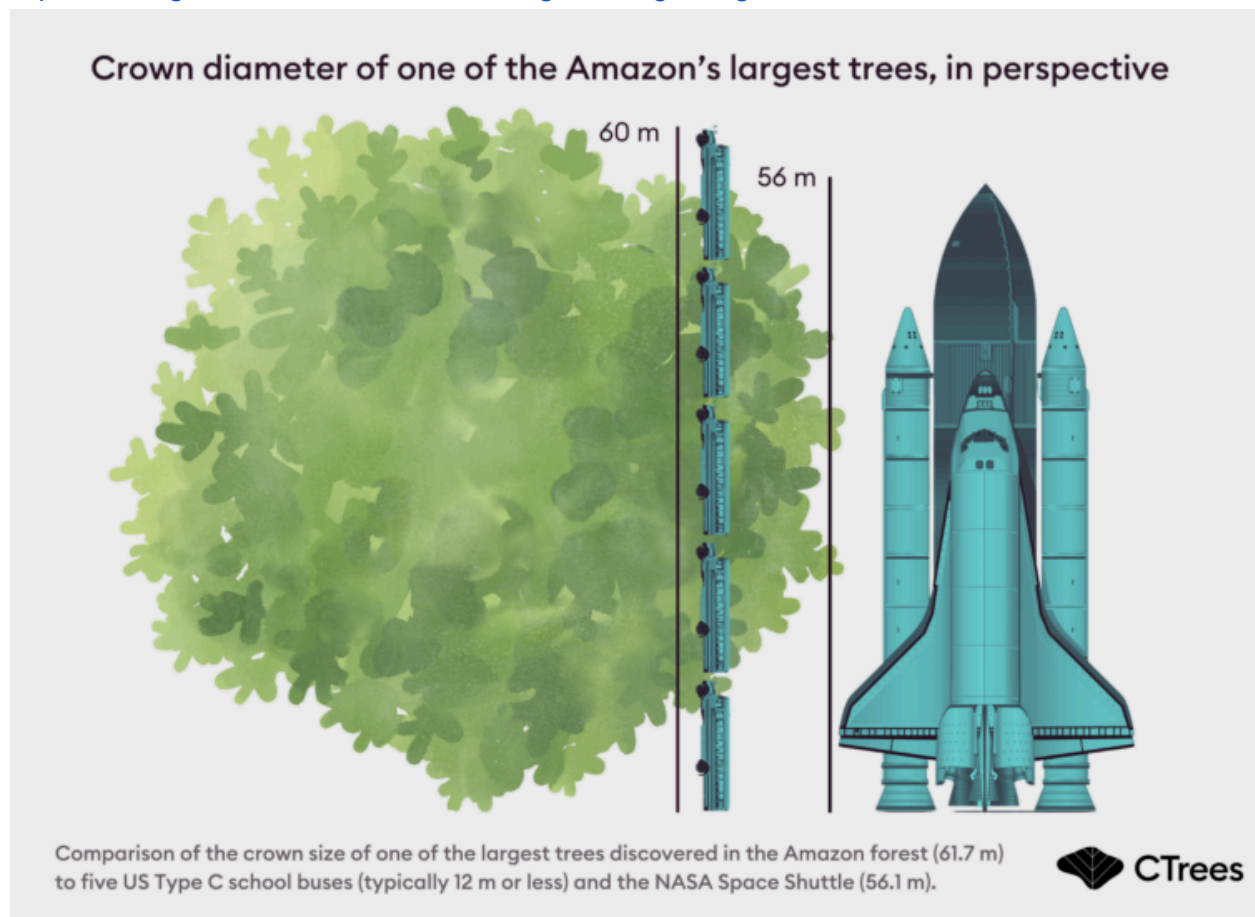
3. What preattentive attributes are used well in this visualization? Why?

In this visualization, color and saturation are used especially well because they are able to highlight the severity of the increase in drug deaths in this group. The specific choice of colors—a dark, eye-catching blue in contrast with a muted red—bring the viewer's attention to the right side of the graph to accentuate the increase in recent years.

4. Which Gestalt Principles of Visual Perception are used? How?

Enclosure was used in that a circle was added around the years 2018-2022 to identify the recent increase in drug deaths. Enclosure is also used to capture the trend of black men born from 1951 to 1970 and the increase in this group's rate of drug death over the years.

<https://flowingdata.com/2024/12/30/seeing-the-single-largest-tree-in-the-forest-of-400-billion/>



1. List five facts the visualization conveys.

1. One of the largest trees discovered in the Amazon forest has a crown diameter of 61.7m.
2. Five US Type C school buses measure about 60m.
3. The NASA Space Shuttle measures 56.1m.
4. The canopy of the tree is roughly symmetric and circular.
5. The crown diameter of the tree is larger than both of the references used.

2. What do you think is the most important conclusion from this visualization?

I think the most important conclusion from this visualization is an understanding of just how large one of Amazon's largest trees is. By comparing it to such large objects such as five buses and a space shuttle, the viewer is able to appreciate the size of the tree.

3. What preattentive attributes are used well in this visualization? Why?

In this case, length is used to highlight how wide the diameter of the tree's crown is compared to other "long" objects. Also, size is used to show how the tree is not just wide, it is also large and round in size, as opposed to the line of buses or space shuttle, which are more linear and narrow.

4. Which Gestalt Principles of Visual Perception are used? How?

Proximity is used to showcase these items next to each other, to reinforce the width of the tree. By placing the items in close proximity, the viewer's eye is able to compare and contrast the lengths of these items and better understand the conclusion that the visualization is aiming to convey.