

Effective Data Visualization Wrap-Up

Oliver W. Layton

CS251/2: Data Analysis and Visualization

Lecture 3

Spring 2021

Talk announcement

- If you attend the CS Visiting Professor candidate talk 1:30-2:00pm on Tuesday (info below), and email Stephanie your feedback:
 - Do you think they would be a good fit for Colby as a visiting professor?
 - Would you want to take a class with them?
- **You will earn +0.5 extension points on Project 1.**

Meeting ID: 926 0198 9925

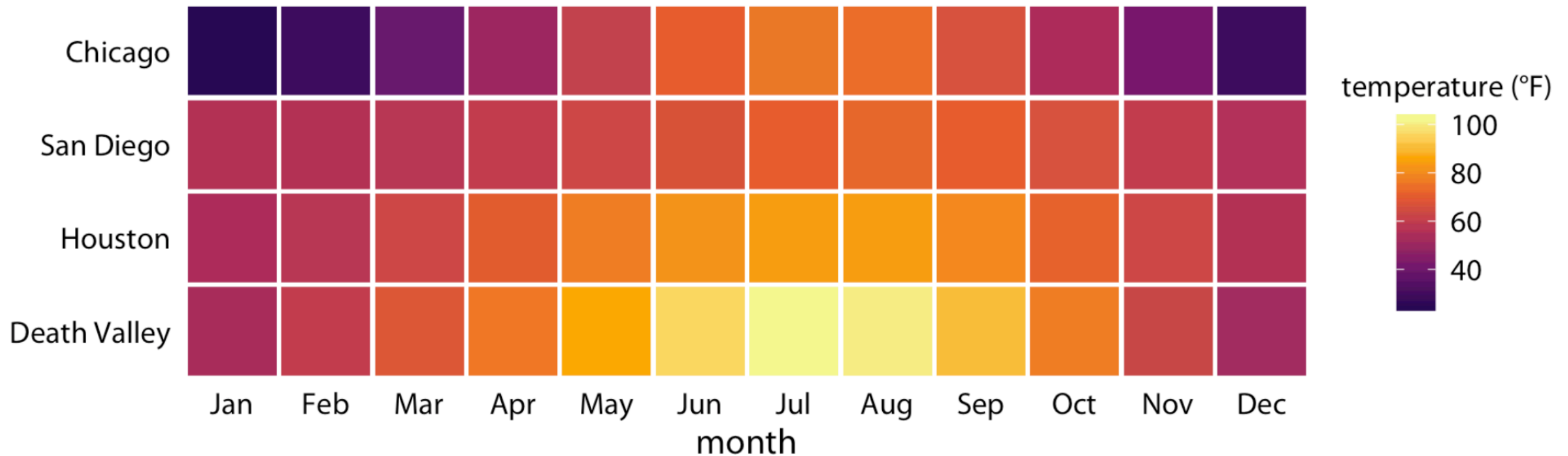
Click to join:

<https://colby.zoom.us/j/92601989925>

Admin

- Reminder: Lab starts this week and attendance is required. For excusable absences, please contact Hannah in advance.
- Short homework worksheet posted after class on Classroom. Due Thursday noon EST.

Warm-up



Monthly normal mean temperatures for four locations in the US. Data source: NOAA

What are the aesthetics? Position, color

How many scales are there? 3

What are the scales? X-axis position (month), Y-axis position (city), color (temp)

Why are the color squares so large?

Human color perception degrades when the area becomes too small
(more on this later)

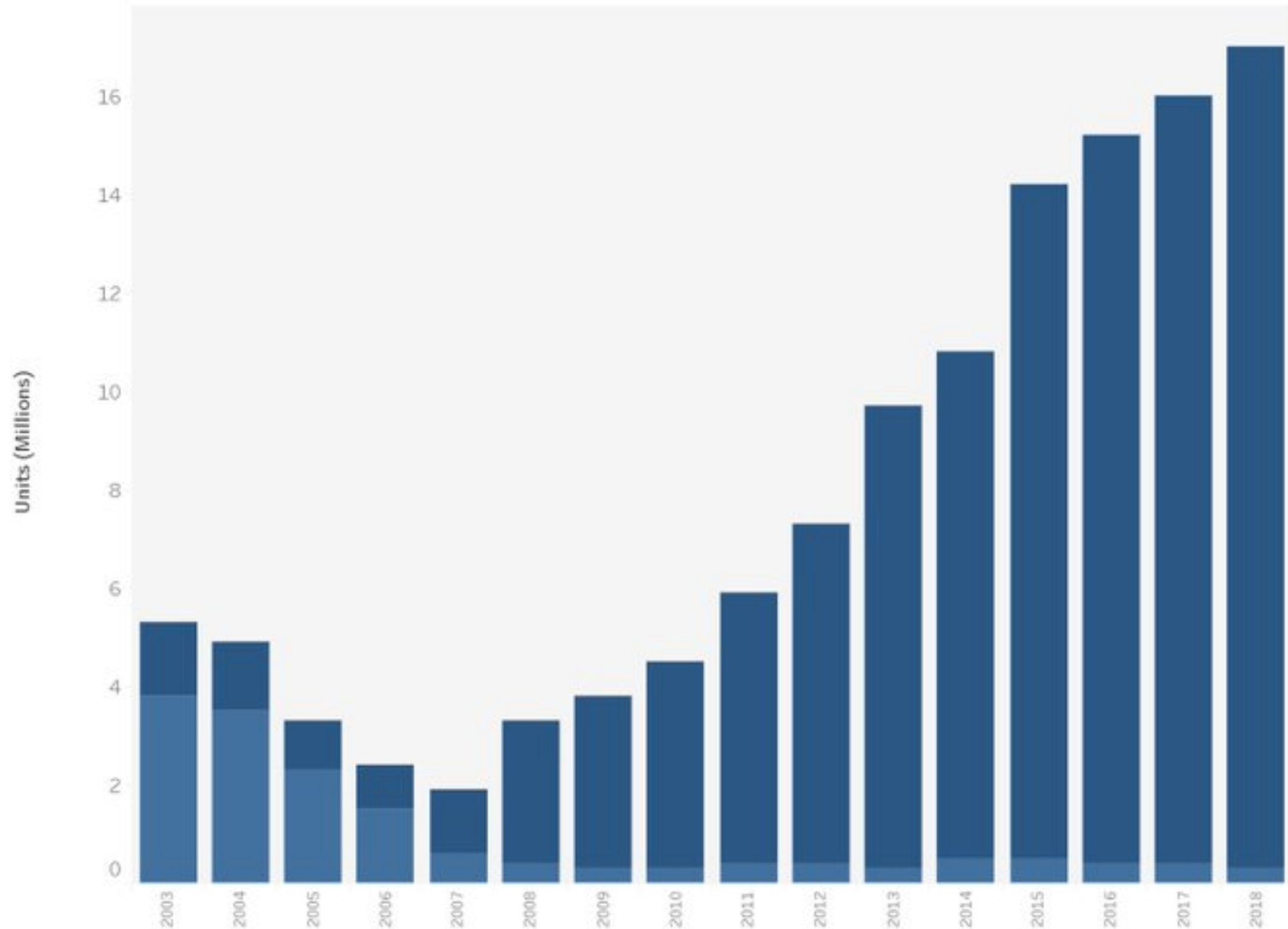
Wilke (2019)

One more thing...

Vinyls are coming back?

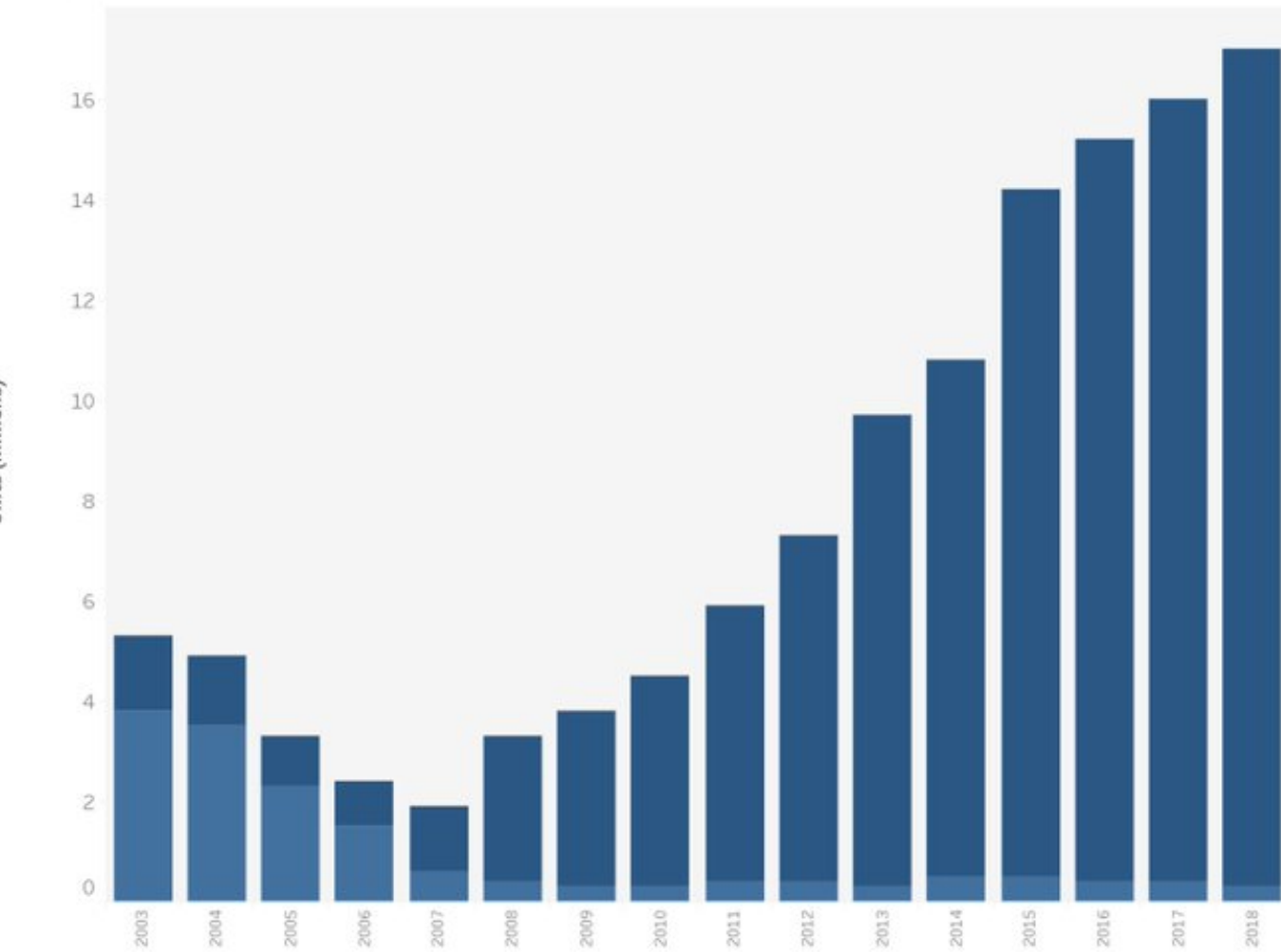
2003 to 2018, Format(s): LP/EP & Vinyl Single

Source: RIAA



...not quite!

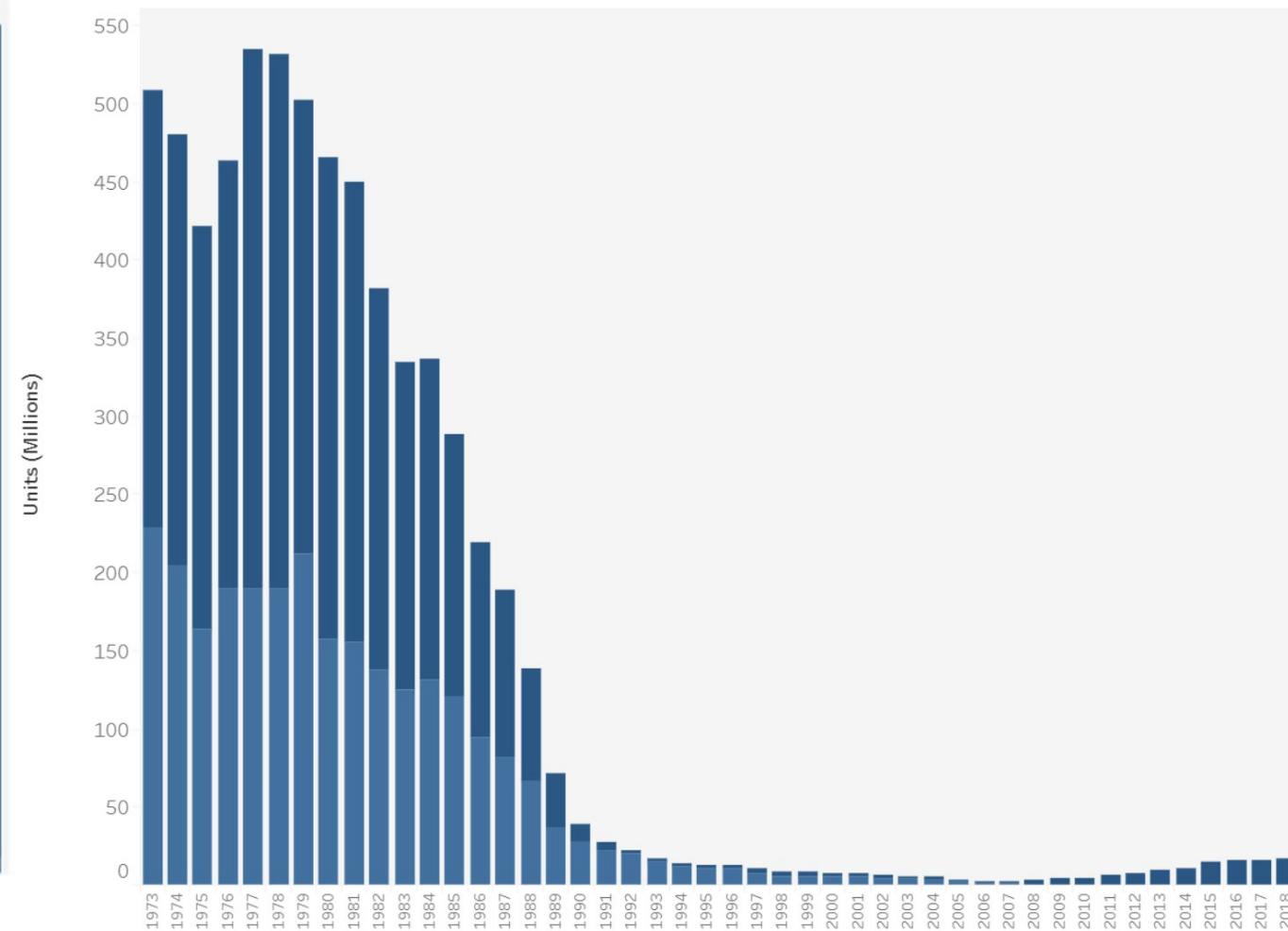
2003 to 2018, Format(s): LP/EP & Vinyl Single
Source: RIAA



2003

2018

1973 to 2018, Format(s): LP/EP & Vinyl Single
Source: RIAA



1973

2018

Data range selection matters!