

Recap 1

- Goal and purpose and why Data Science
 - Real-life Data Analytic Application
 - Different type of data
 - Different type of Databases
 - Learn Python as fast and as much as possible
-
- Make sure you had sent me an email at least once
 - HW Zero

Data Science Real Life Example



Photograph by Breno Assis

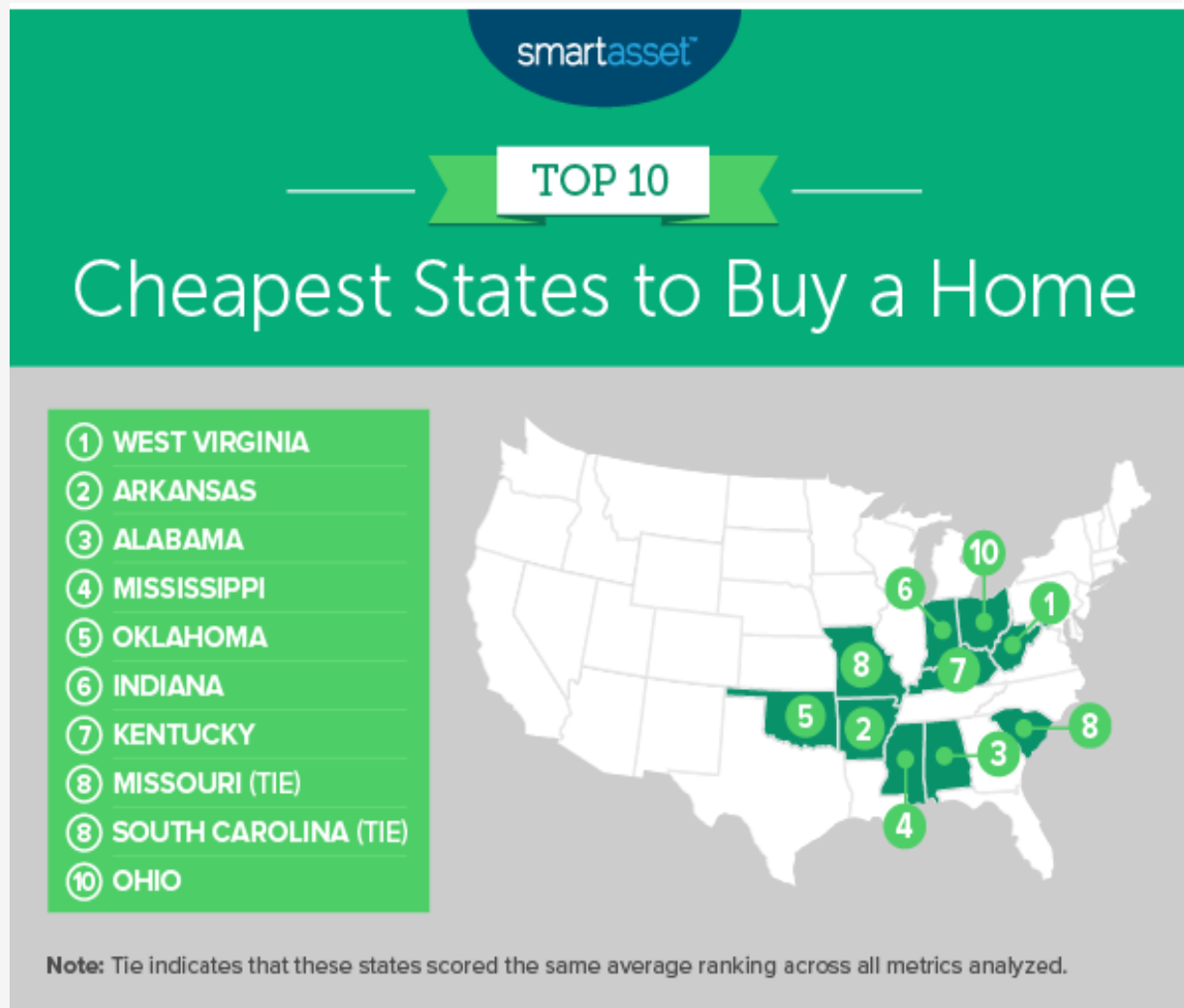
Massachusetts ranked as the most expensive state to buy a home in, according to a report from [personal-finance website](#)

[SmartAsset](#). The analysis assessed 48 states and Washington, D.C., based on the following metrics (Delaware and Louisiana were not included due to insufficient data):

- Effective property tax rate, based on U.S. Census Bureau data
- Median listing price and price per square foot, according to Zillow ZG
- Median value for homes in the bottom third of the market
- Average closing costs, according to SmartAsset's own closing cost calculator

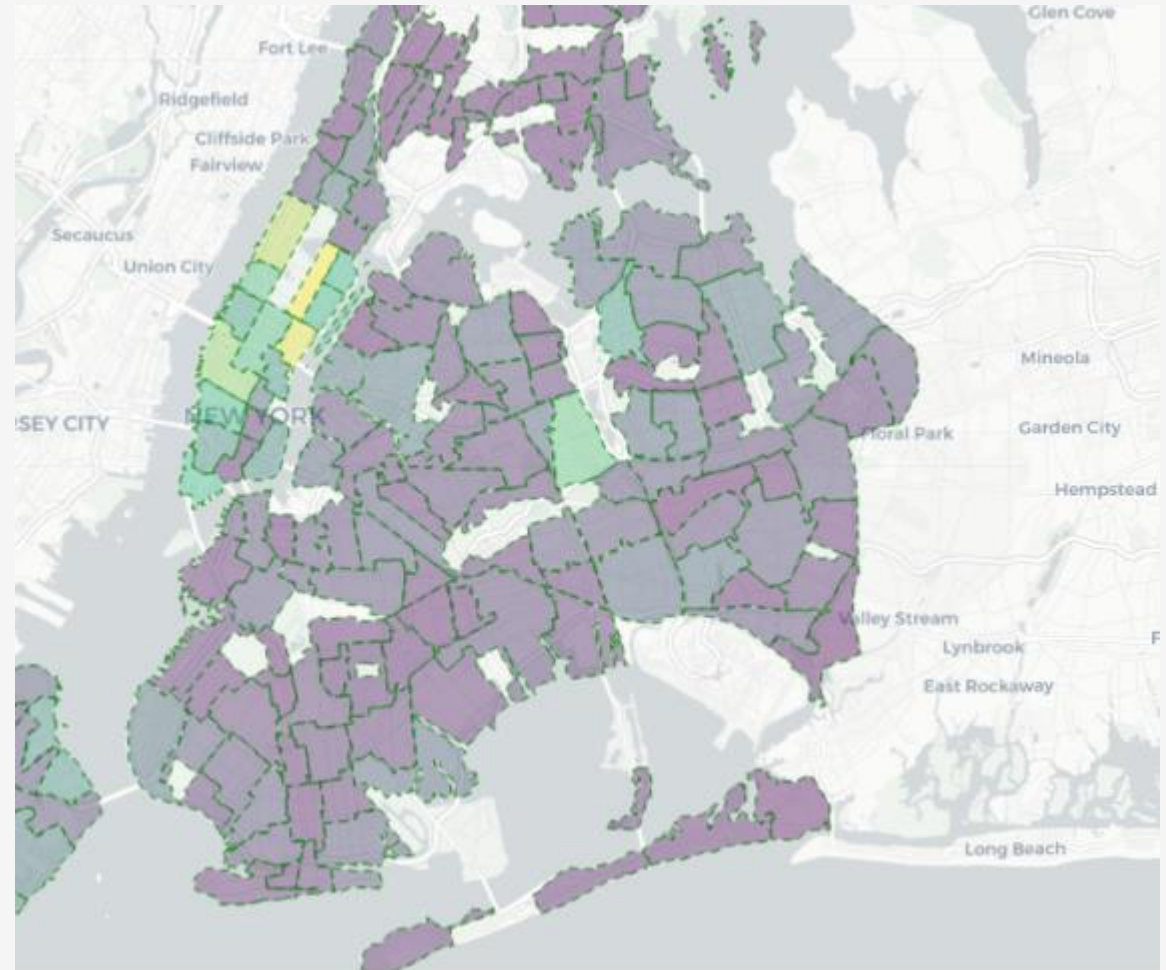
All the states were ranked for each of these metrics, and then researchers calculated their average ranking. This then determined the index value they were assigned on a scale from 0 to 100, with 100 being the cheapest.

Massachusetts' index came in at zero, while West Virginia was the most affordable state with a value of 100.



Queens neighborhoods saw drop in home sale prices in August

<https://qns.com/story/2019/09/06/the-price-is-wrong-these-queens-neighborhoods-saw-drop-in-home-sale-prices-in-august/>

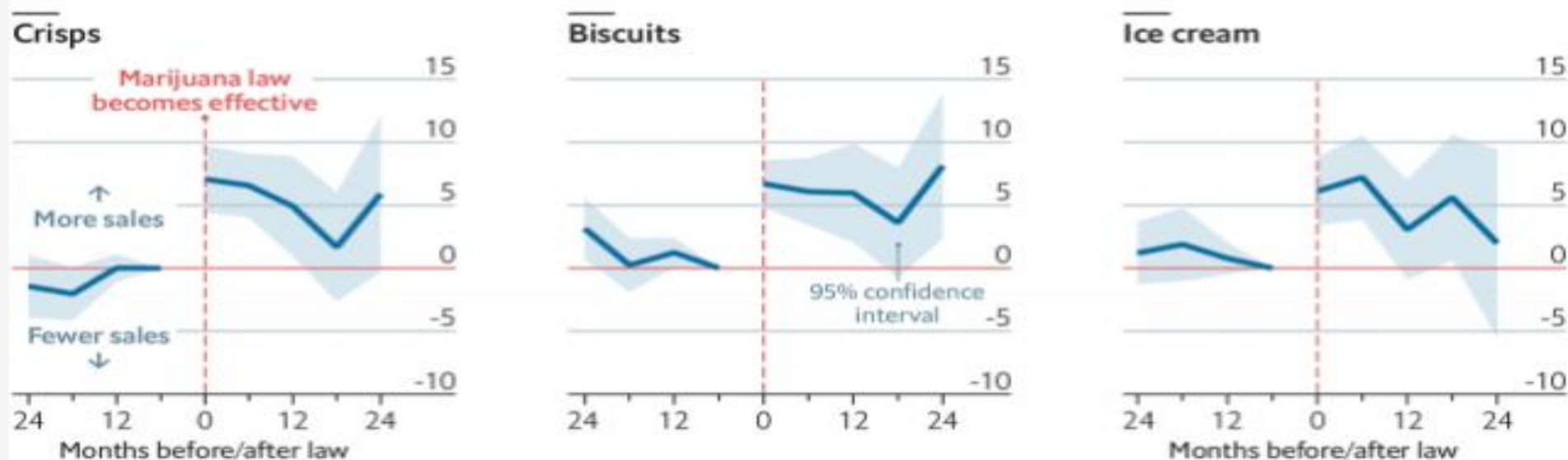


Legal weed is linked to higher junk-food sales

Research suggests marijuana really does give you the munchies

Hey hey we're the munchies

United States, effect of recreational marijuana laws on junk-food sales, %



Source: "Recreational Marijuana Laws and Junk Food Consumption: Evidence Using Border Analysis and Retail Sales Data", by Michele Baggio and Alberto Chong, working paper (2019)

https://www.economist.com/graphic-detail/2019/08/16/legal-weed-is-linked-to-higher-junk-food-sales?al_applink_data=%7B%22target_url%22%3A%22https%3A%5C%2F%5C%2Fecon.trib.al%5C%2FloQh5j8%22%2C%22extras%22%3A%7B%22fb_app_id%22%3A128869720483178%7D%2C%22referer_app_link%22%3A%7B%22url%22%3A%22fb%3A%5C%2F%5C%2F%5C%2F%3Fapp_id%3D128869720483178%22%2C%22app_name%22%3A%22Facebook%22%7D%7D

Learn Python and Pandas as quickly as you can

- Dive into Python
- Dive into Pandas