Avocados in California

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Research Questions

* How does yearly rainfall affect Avocado prices and production?
* Have wildfire incidents impacted Avocado prices and production?
* Top 3 California Counties for Avocado production.
* Exploring Avocado consumption through-out the years.
* Avocado prices throughout the United States: Does distance from California impact prices?
* Other contributing factors for prices or production:
  + Labor costs
  + Gas prices
  + Air Quality

# Background

* Domestic Avocado Consumption has been greater than 2.6 billion, and per capita consumption has been greater than 8 pounds since 2018.
* Most avocados produced in the US are from California.
* California is a State well-known for its droughts and, in the recent years, wildfires.
* Important for companies to understand avocado production and prices to keep up with demand.

# about the data

* Kaggle is hosting the California Avocado Production dataset[[1]](#footnote-2).
* 420 rows with yearly values for 27 California counties for year 1980-2020
* Attributes include:
  + Harvested Acres
  + County Name
  + Yield
  + Production
  + Price P/U
  + Value (USD)
* Additional Data:
  + Weather related data can be obtained from the US National Weather Service website.[[2]](#footnote-3)

1. https://www.kaggle.com/datasets/jarredpriester/california-avocado-production-19802020 [↑](#footnote-ref-2)
2. https://www.weather.gov/wrh/climate?wfo=lox [↑](#footnote-ref-3)