Dataset Nutrition Label

Honey & Climate Change Nutrition Data

About

This is a dataset of honey produced in the United States from 1998 to 2012 which has collected data such as pounds of honey, price per pound, total production value, and number of colonies in that state. We also include a dataset of global climate change data using average temperatures globally month by month from 1750 to 2013. We have filtered the data from both datasets for use in our project to include only data from 25 states in the United States and average temperature for the year in the years 2000 to 2012.

Data Links

US Honey Production
Created by: Jessica Li
Data collected by: The National Agricultural Statistics Service (NASS)
Date created: updated in 2017

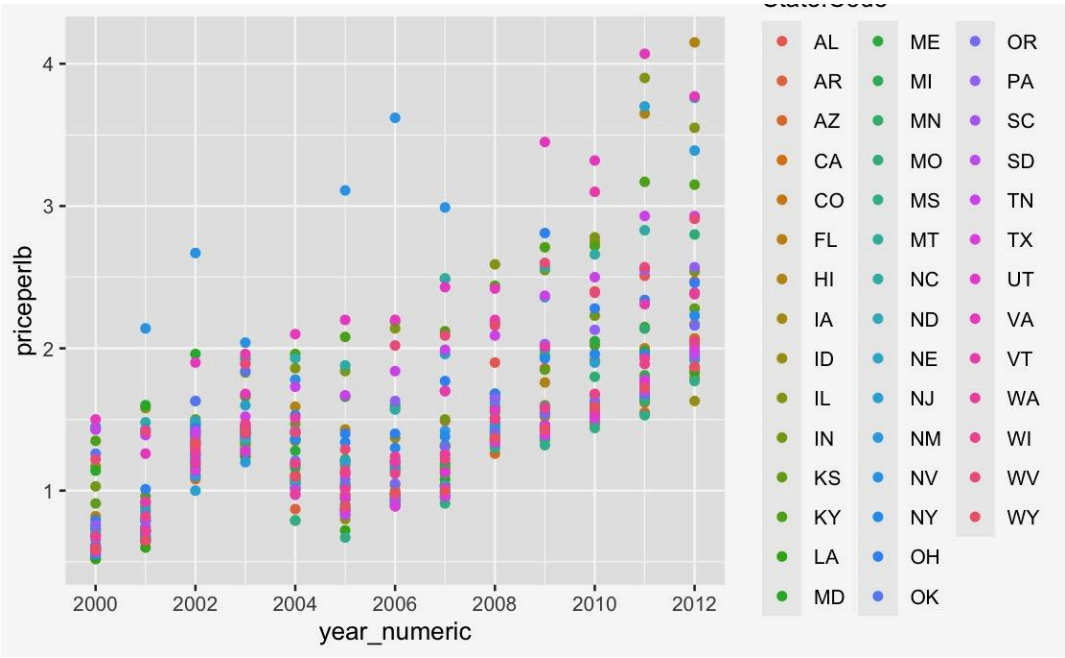
Global Climate Change
Created by: Kristen Sissener
Data collected by: Berkeley Earth Company
Date created: updated in 2016

Use Cases

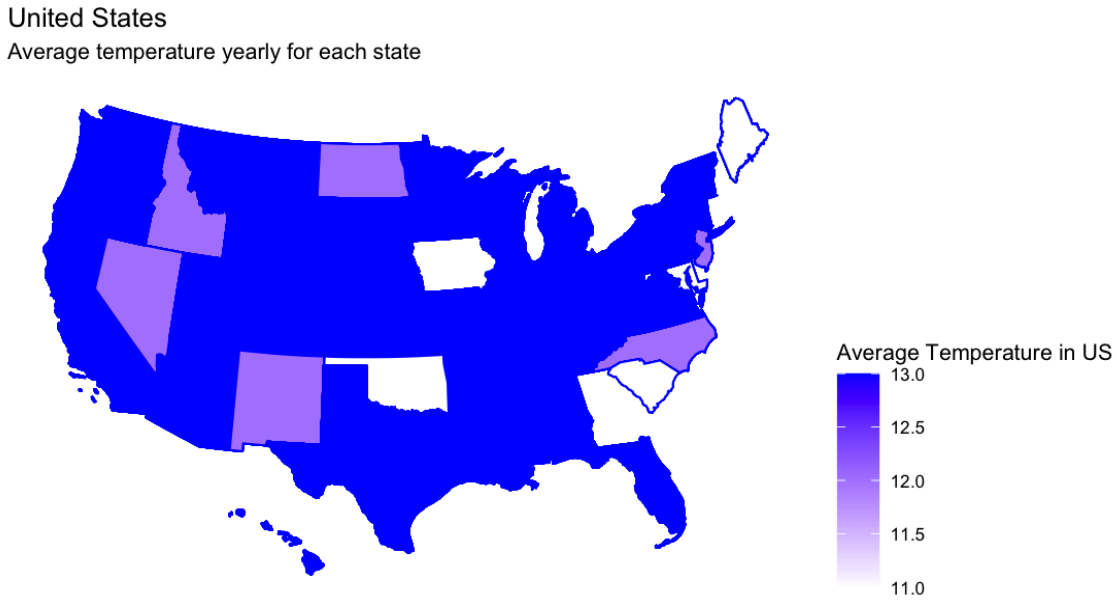
- How can we predict future honey cost/production using climate change data?
- How can we compare the costs of honey by state based on temperature change data?
- How can we compare honey bee populations historically versus now?
- Why is honey cost increasing?
- How can we use climate change or honey production data to predict food/flower production?
- Is climate change linked to honey production/loss of bees?
- Why should we care about honey bees at all?

Visualization

1. Scatterplot of honey production from 2000 to 2012 where ‘x’ is the year and ‘y’ is the average price per pound of honey in dollars.



2. Choropleth of average temperature in Celsius from 2000 to 2012 where ‘x’ is the year and ‘y’ is the average temperature for that state.



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Sample Size 527

State Data	
Number of states	25
Max Number of Data (per state)	13
Min Number of Data (per state)	1
Median of Total Honey Production (pounds)	4072026.57
Min Number of Honey Production	84000
Max Number of Honey Production	46410000
Yield_above_average True percentage	75.33%