



## US-Honey Production Case study

## **Problem statement:-**

The dataset provided contains information on the US honey consumption, including the average price of honey over the years. We aim to explore and analyze this data to identify the trends and patterns in the average honey price and gain insights into its fluctuation over time

### **Dataset - US\_honey.csv**

Unnamed	This column is giving us only index
state	Represents the states name of US
Colonies_number	Colonies of bee in the states
yield_per_colony	Total count the bee inside a colony
production	Production of honey
stocks	Total stock of the honey in state
average_price	Average value of the honey per year in different state
value_of_production	Value of honey production per year
year	Year of productions

-Using the provided dataset on US honey consumption, perform an exploratory data analysis to visualize and analyze the trends .

### **Address the following key questions in your analysis:**

- 1) Which states are rarely contributing to honey production for the last 27 years?
- 2) Which are the top 5 Honey producing states in the US ?
- 3) What is the Change in mean Average price of Honey from 1995 to 2021?
- 4) Which was the year when production of Honey in wholeUS was the highest?
- 5) From the above inference we get the production was highest in the year 2000, now let infer which state was having highest contribution in that year
- 6) Which states have the highest no. of colonies in the year 2000?