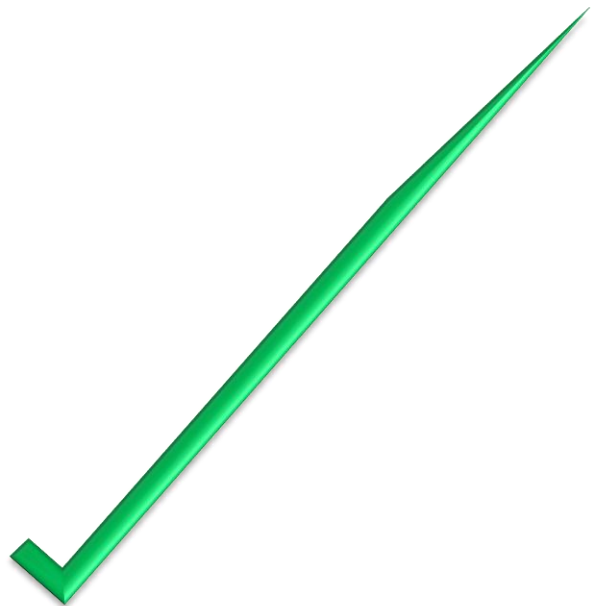# Major Assignment

Data Science "Advanced Python"

NAME: Md Zeeshan Rasheed

Objective:

visualize how honey production has changed over the years (1998-2021) in the United States.

Key questions to be answered:

1. How has honey production yield changed from 1998 to 2021?
2. Over time, what are the major production trends across the states?
3. Does the data show any trends in terms of the number of honey producing colonies and yield per colony before 2006, which was when concern over Colony Collapse Disorder spread nationwide?
4. Are there any patterns that can be observed between total honey production and value of production every year?
5. How has the value of production, which in some sense could be tied to demand, changed every year?
6. Constructs the related plots using Seaborn and Matplot apply customization and derive insights from the visualization

Dataset:

state:
Various states of the U.S.
numcol:
Number of honey-producing colonies. Honey producing colonies are the maximum number of colonies from which honey was taken during the year. It is possible to take honey from colonies that did not survive the entire year.
yieldpercol:
Honey yield per colony. Unit is pounds
totalprod:
Total production (numcol x yieldpercol). Unit is pounds
stocks:
Refers to stocks held by producers. Unit is pounds
priceperlb:
Refers to average price per pound based on expanded sales. The unit is dollars.
prodvalue:
Value of production (totalprod x priceperlb). The unit is dollars.
year:
Year of production

GitHub Link for all of my work for this major assignment:
[Click Here](#)

Thanks a lot

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