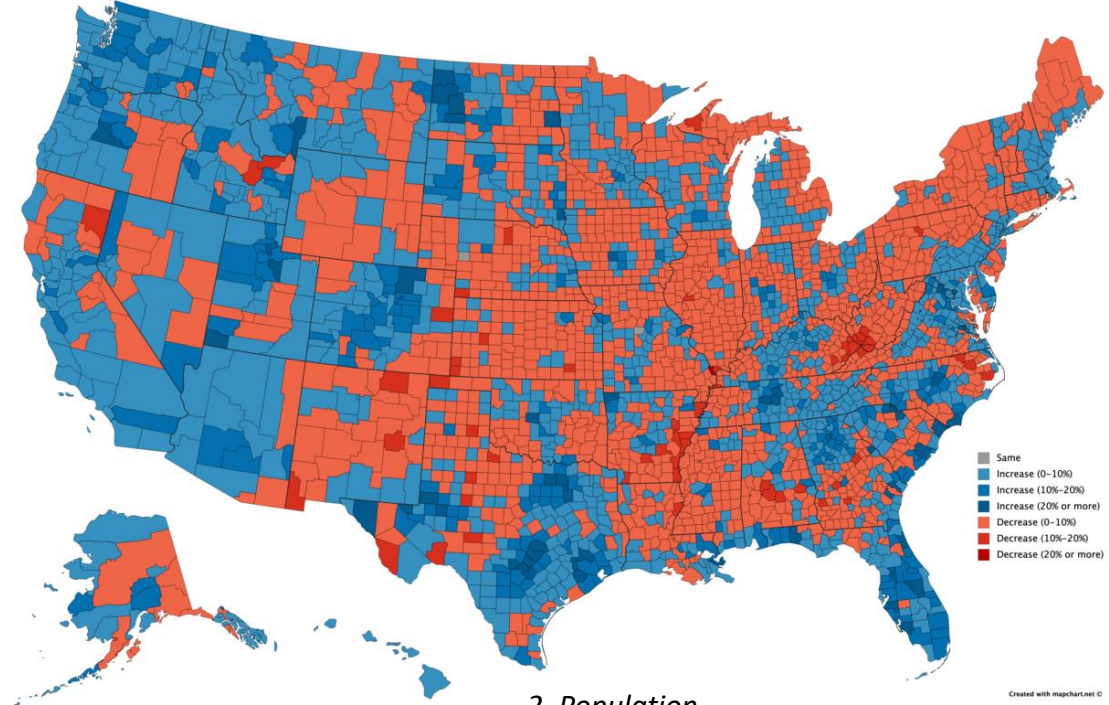


# Assignment 1

We are a Airline Company with 10 Airplanes ; We are looking out for a consultation from you on which key cities show we operate to reach a profitable business model



1. List of Airports



2. Population

## Objective

- Analytical information - Inferences between Population and Airports ; Is data sufficient or do you want more data - Synthesis report with Pictures
- Create a Random points on the US map, Criteria : based on the Population Density and airport distance
  - Example : Points closer to Population >1500 ; Nearest Airport is within 500km → make those random points as Valid/Invalid ; Return the nearest city/Airport
- Create top US states/Cities for which the Airlines to be Operated
- Random points A-B is measure total co2 burned per mile ( 0.024metric tons from Airport to Airport ; 150g/km) →optional but idea is needed from previous steps

Problem Understanding , Architecture/Methods/Flow , Pseudo Code, Logical reasoning with Depiction charts

WHAT / HOW / WHICH - the consultant can choose

Use Python, Tableau ; PostgreSQL database creation