

## Son algorithm : Yelp dataset

- There is no relation between population density & number of businesses. Illinois has more population than Arizona but number of business ids are less.
- If one make a star schema and makes a table which is {review\_id, business\_id, userd\_id}:  
We find that this is the order of increasing number of businesses and it takes more time to run the market model in the increasing order of the state i.e. **AZ, NC, OH, PA.**

There were three restaurant categories :

1. Type 1 : Based on countries i.e. Thai, Chinese, Japanese, Korean, Indian, etc and one can relate the difference on the number of each type restaurants in six states. **AZ has most number of categories than any other state. NV has American type as highest number of restaurants.**
2. Type 2 : Collect the number of restaurants in various types like : café, bar , sushi. **NV as bar and fast food has the highest number.**