

A short horizontal bar with a teal segment on the left and an orange segment on the right.

# Predicting Geographical Employment Trend For Different Occupations Across US

By StochasticFisher

## **Team Members:**

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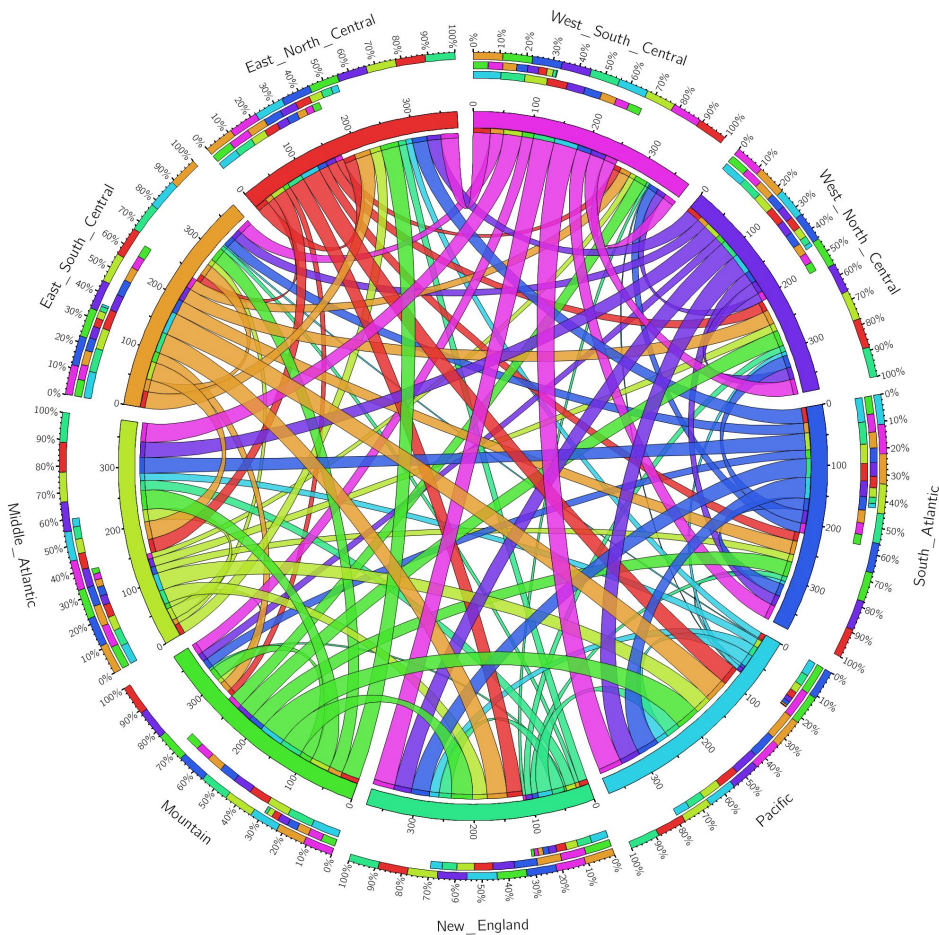
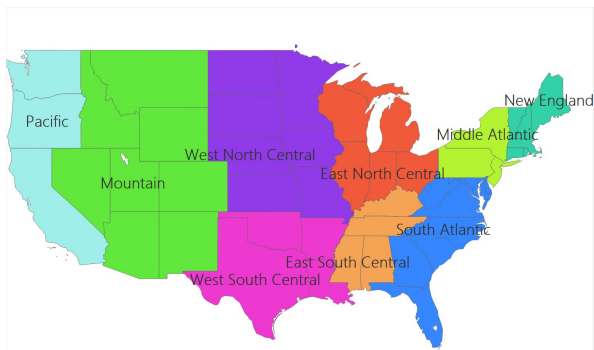
# Geographical migration

## Methodology:

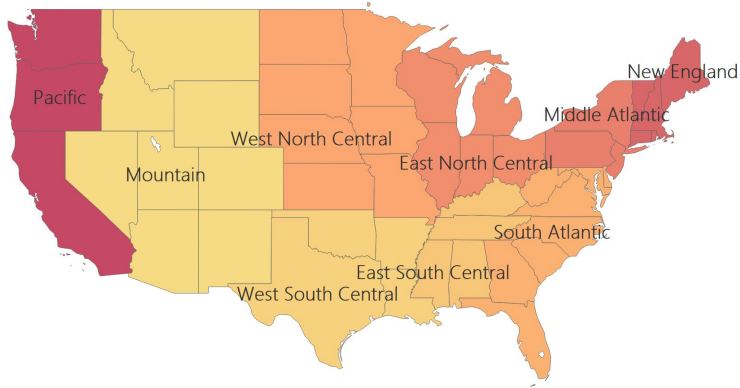
- Markov Chain Model
- Transition Matrix
- PageRank

## Score for Each Division:

$$\frac{\text{Division Mean}(\frac{\# \text{ Jobs}}{\text{Average \# clicks per job}})}{\text{National Mean}} + \frac{\text{Division Median}(\text{Salary})}{\text{National Median}}$$



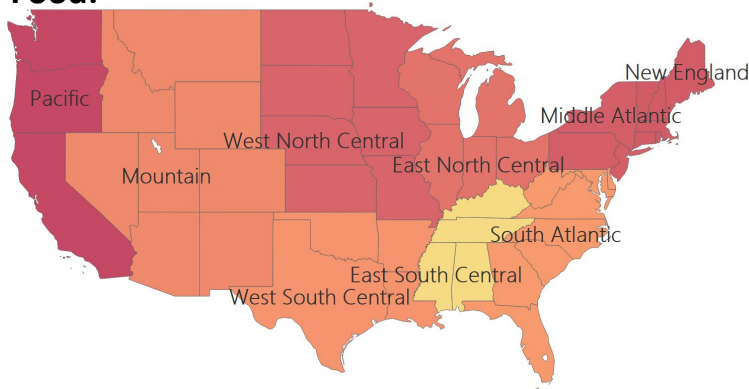
## Prediction TechSoftware:



## Proportion of Employment - TechSoftware



## Food:



## Proportion of Employment - Food

