Datafest 2018

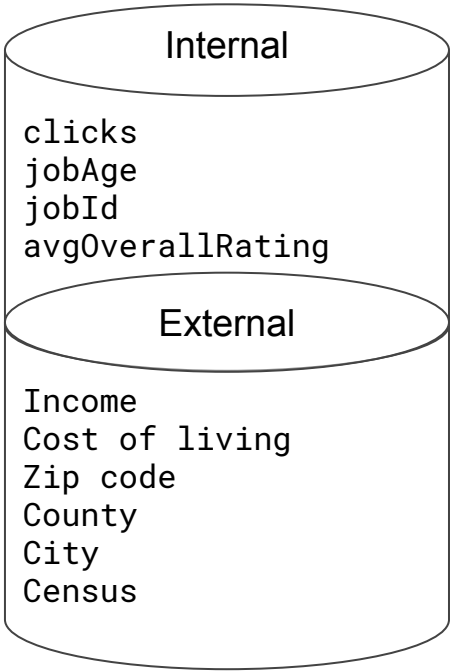
Subash Chebolu, Ankit Deogharia, Jacob Hoylman

Scenario: People looking for work are forced to make tough choices in a crowded job market, choices which have a large influence
on their satisfaction with life

Mission: To model utility in response to local economic factors.

Data: Internal data was enriched with external economic data in order to provide context for insights

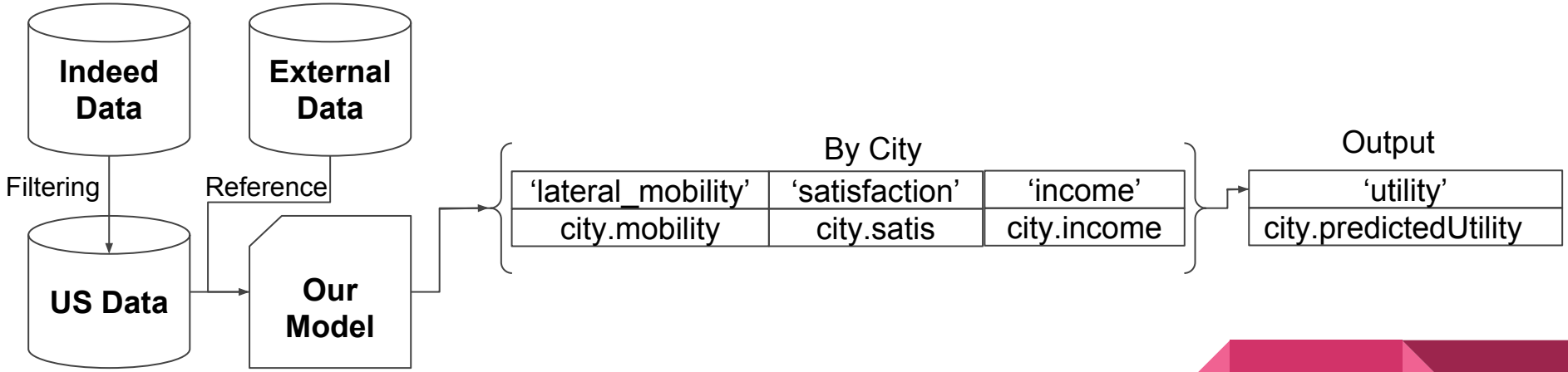
Expected: Recommendations of areas that be predicted to have greater expected happiness

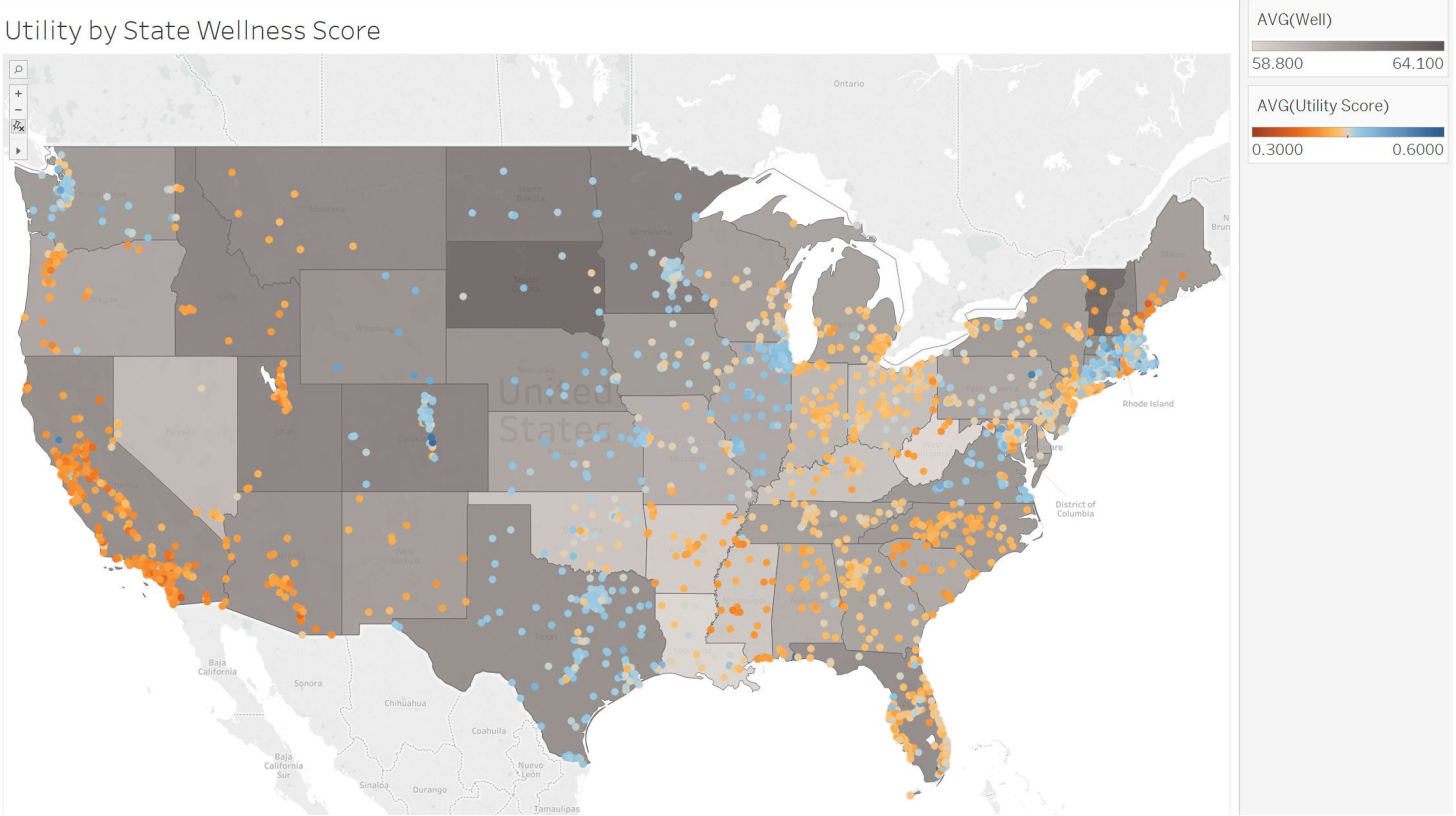


Predicting # of days listed→

```
('None', -0.19840861251946432),
('Higher education', -0.08892452654786925),
('supervisingJob', 0.08169708001092539),
('licenseRequiredJob', 0.010671292823112804),
('avgOverallRating', -0.007228360715298914),
```

Generating Latent Variables





Sources

Gallup-Sharecare

Kaggle.com

US Census Bureau

An Urban-Rural Happiness Gradient, Berry, Okulicz-Kozaryn

Council for Community and Economic Research

$$Utility = \frac{\frac{AvgSalary}{100 * CostOfLiving}' + Satisfaction' + \frac{opportunity}{traffic + comp}'}{3}$$

Intro | Methods | Results