

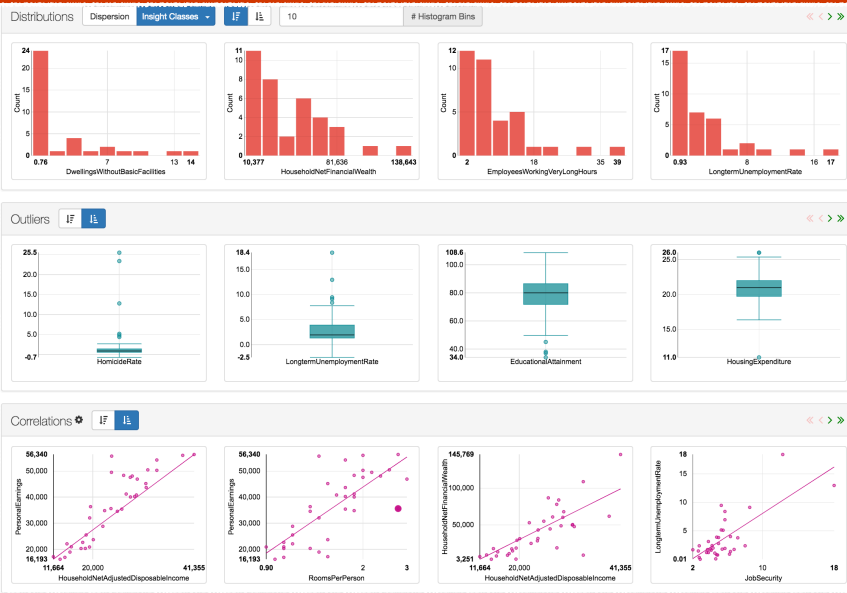
# FORESIGHT

## Recommending Visual Insights

Rapid visual exploration of high dimensional data

Visual insights are grouped into classes

Insights within a class can be ranked and filtered using statistical measures.



Bookmark & search related insights

**My Insights**

- DwellingsWithoutBasicFacilities - distribution
- LongtermUnemploymentRate - distribution
- HomicideRate - outliers
- PersonalEarnings~RoomsPerPerson - correlation
- HouseholdNetFinancialWealth~HouseholdNetAdjustedDisposableIncome - correlation

**PersonalEarnings~RoomsPerPerson - correlation**

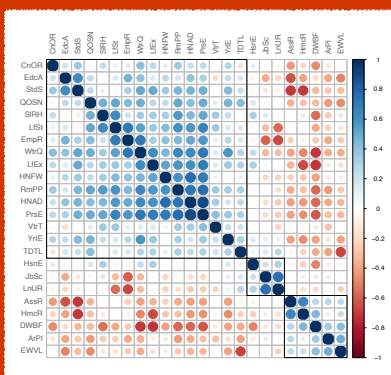
**Regression Equation**  
 $PersonalEarnings = 23041.217 \times RoomsPerPerson - 2220.188$

Show Related Insights

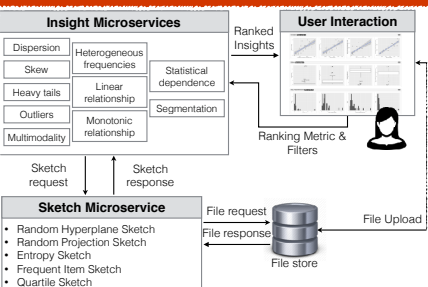
Users can bookmark interesting insights. Foresight supports search and ranking of insights related to a given insight — only those insights in the neighborhood of a given insight will be displayed within each class.

Overview visualization for a class

Overview of linear relationships — clustered heatmap of pairwise correlations.



Interactive response times



Foresight employs sketching algorithms to speed up insight queries