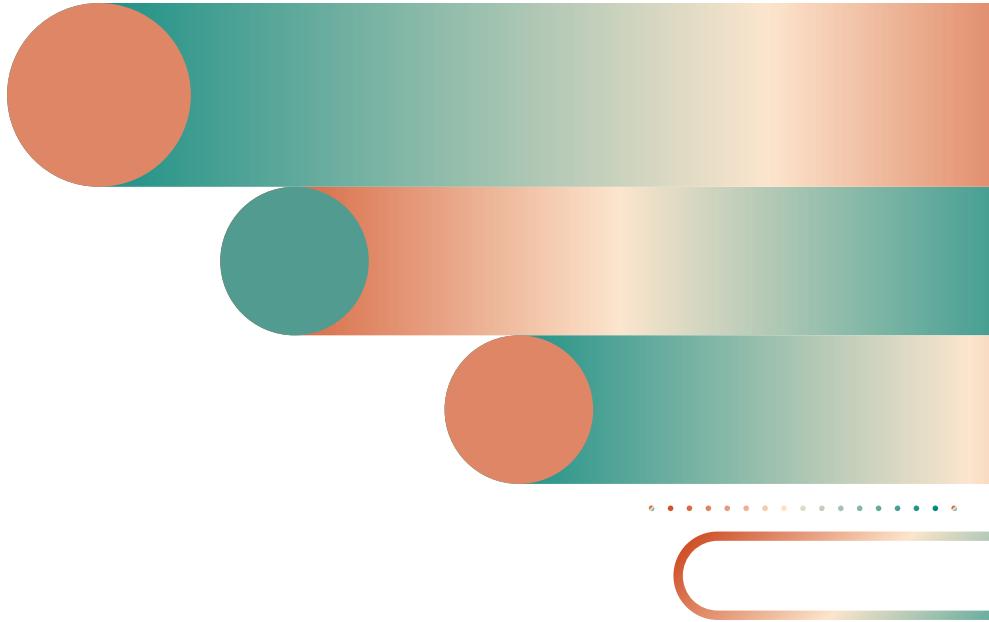


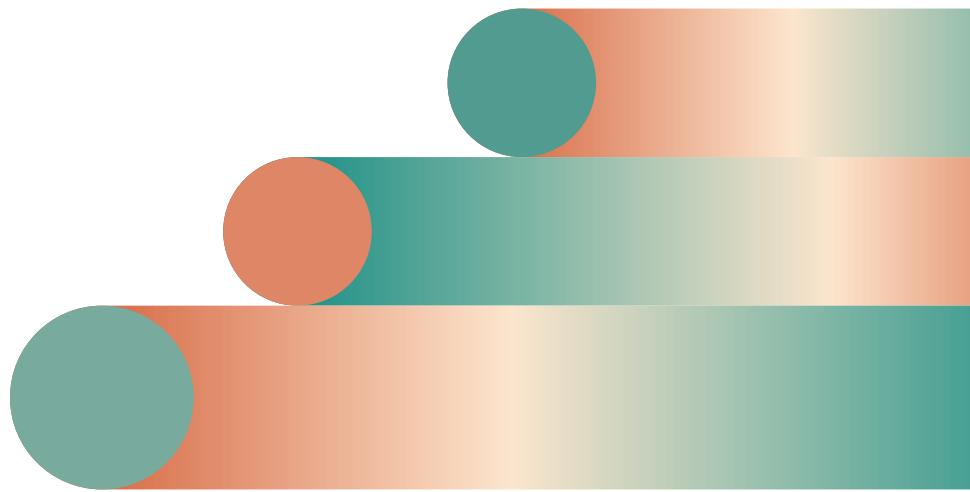
Move to Prosper

where families' futures flourish.



Our connection.

Leverage data to create tangible impact
on families in underprivileged situations

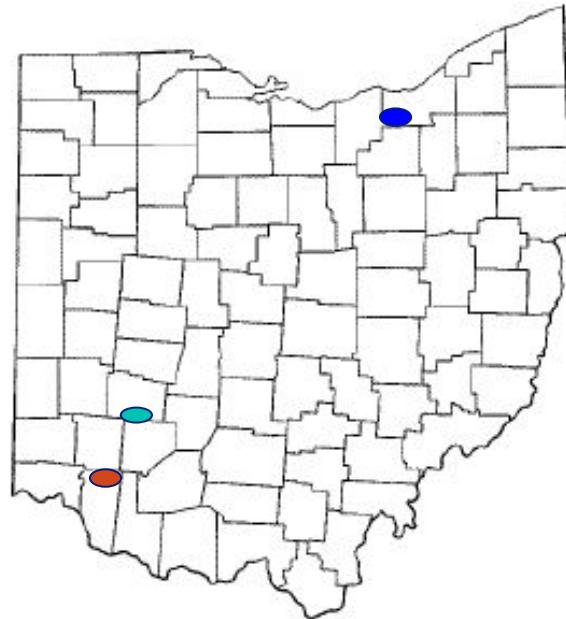


Proposed Cities

North Royalton

Loveland

Centerville



Mission to Attribute Map

Education

Performance Index Score
Student-Teacher Ratio
Free and Reduced Lunch
Ratio



Wellness

Crime Rate



Finance

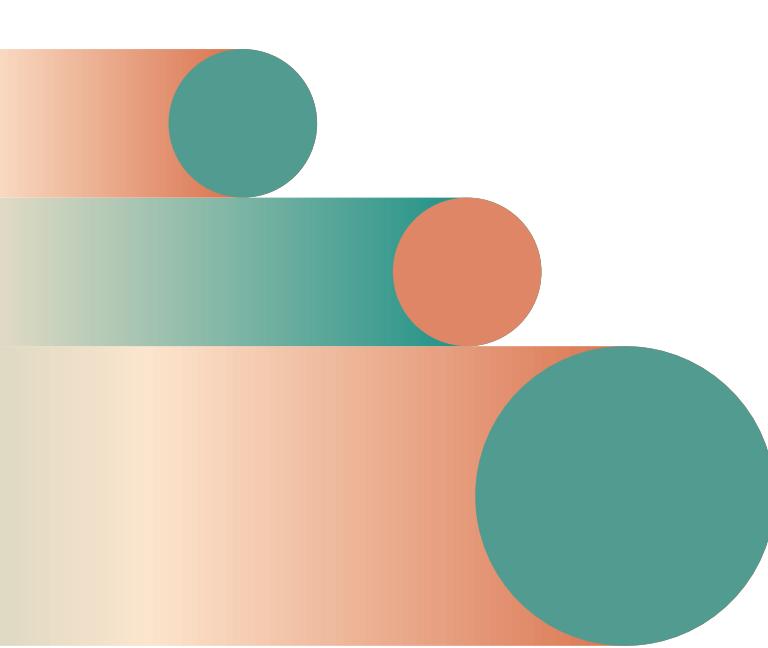
Rent
Population



Housing/Stability

Household Median Income
Income Inequality





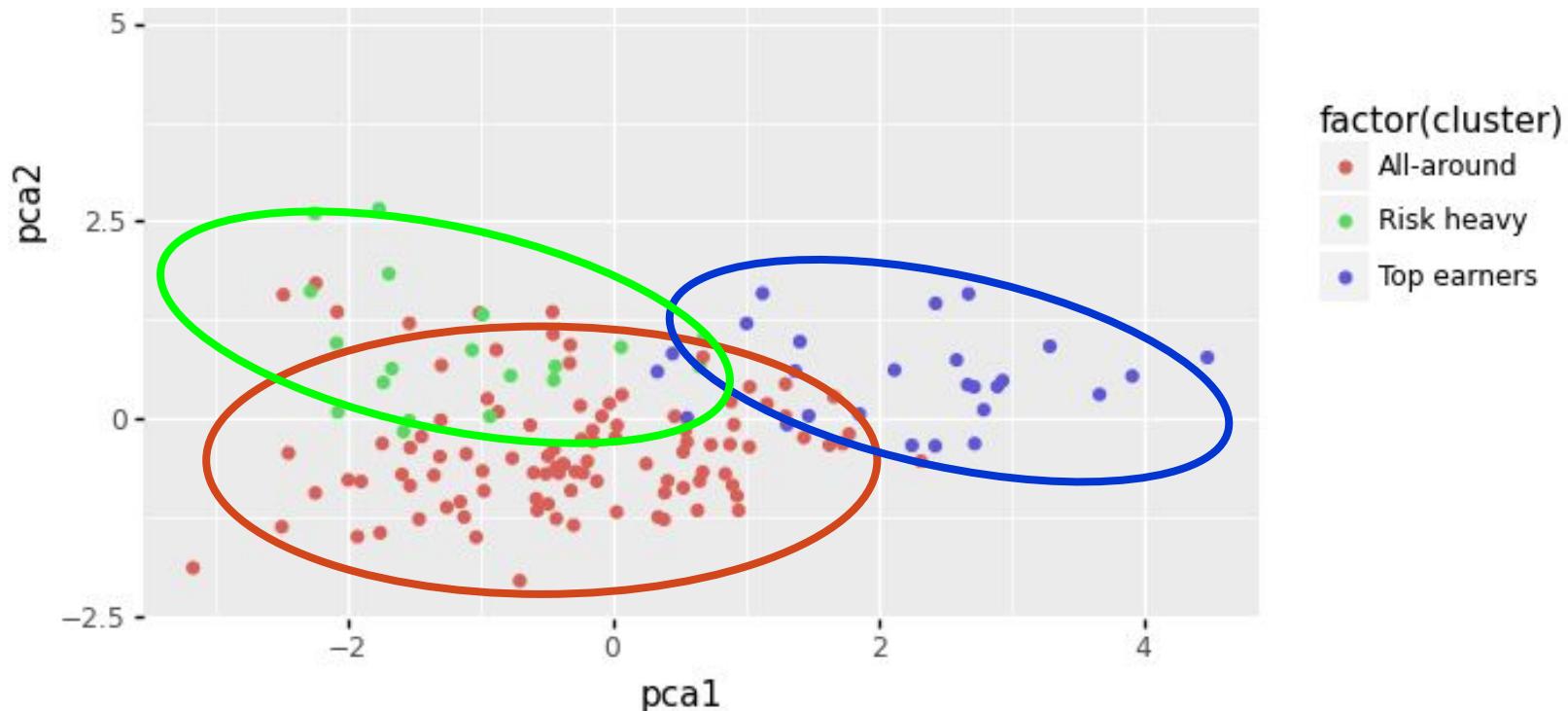
Our Method

Technical Approach

Optimal combination of characteristics

- Data Cleaning/Mining
- K-Means Clustering
 - Elbow & Silhouette method
- Dimensionality Reduction

Determining Ideal Cities



Top 3 Features



Education

Performing Index (PI) Score
of 95 or higher



Crime Rates

Minimizing violent crime &
property crime

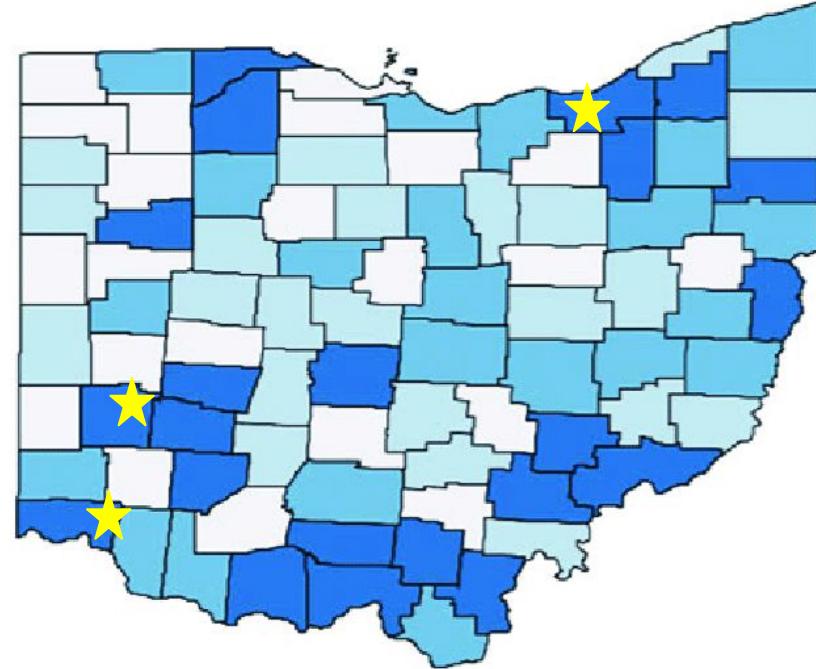


Income

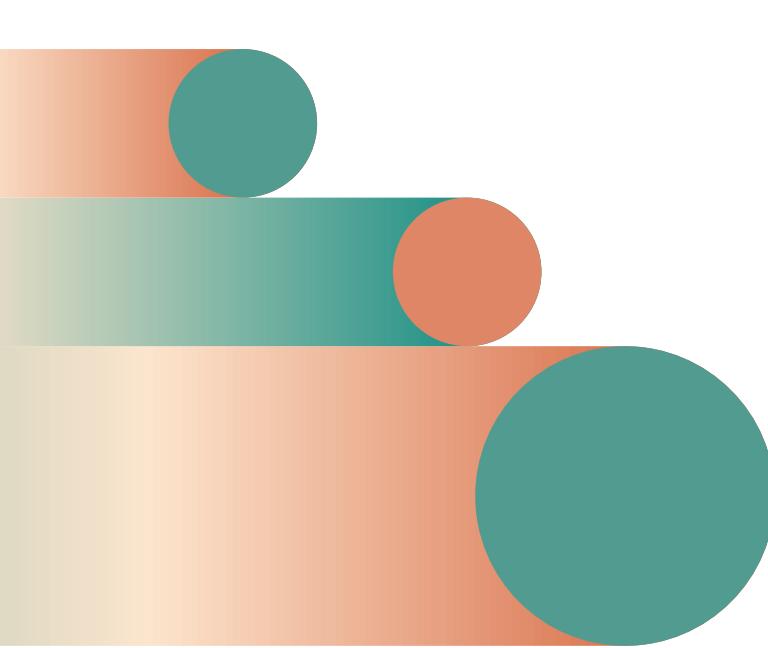
Balancing median income
and inequality measures

GINI Coefficient Map

US Census Bureau Data

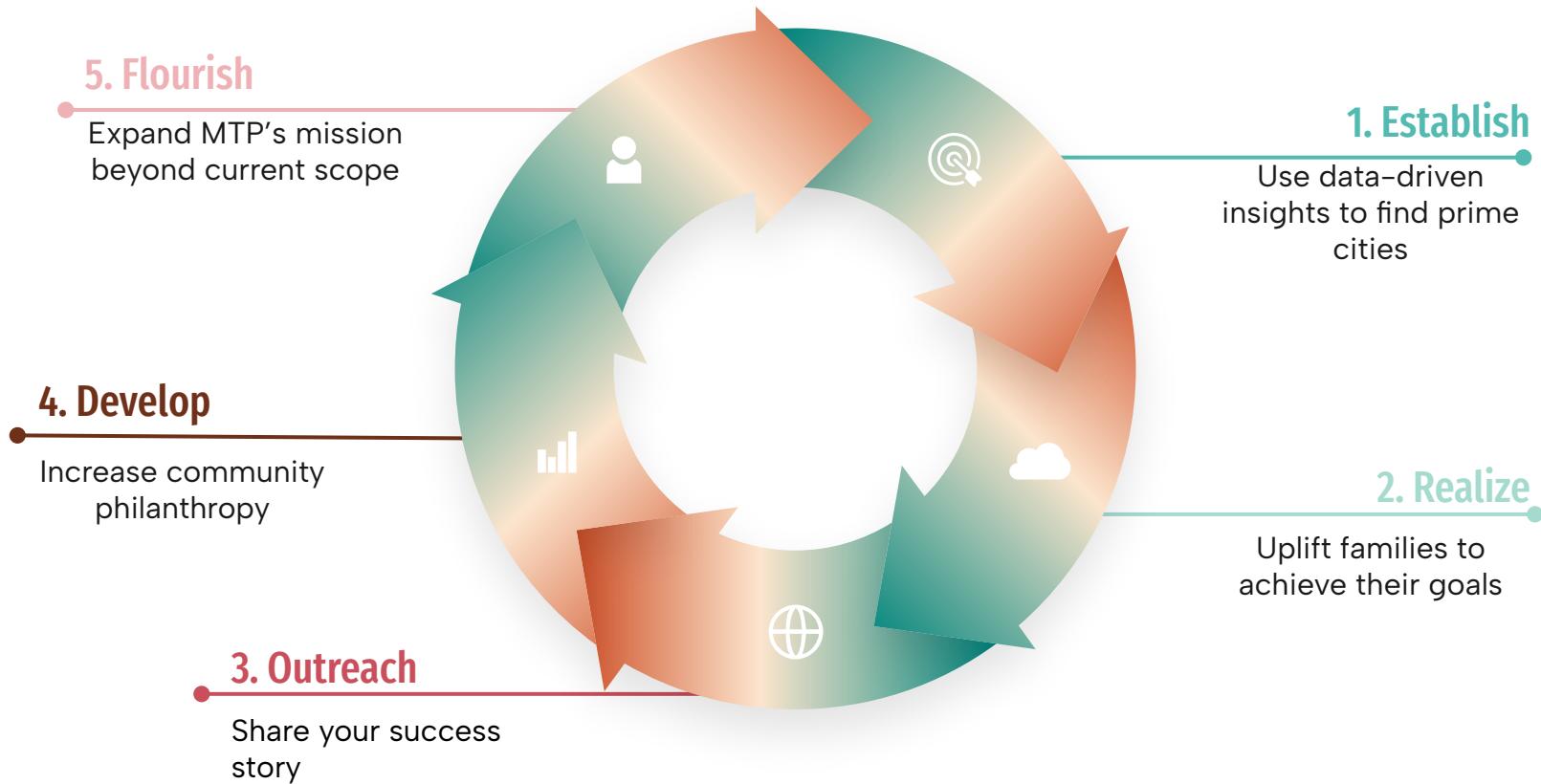


- Low Income Inequality
- Moderate Income Inequality
- High Income Inequality
- Highest Income Inequality

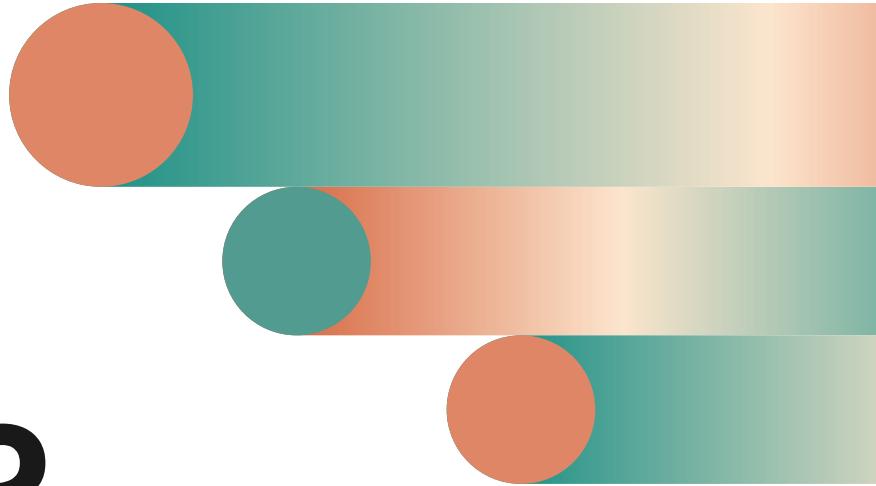


Future Impact

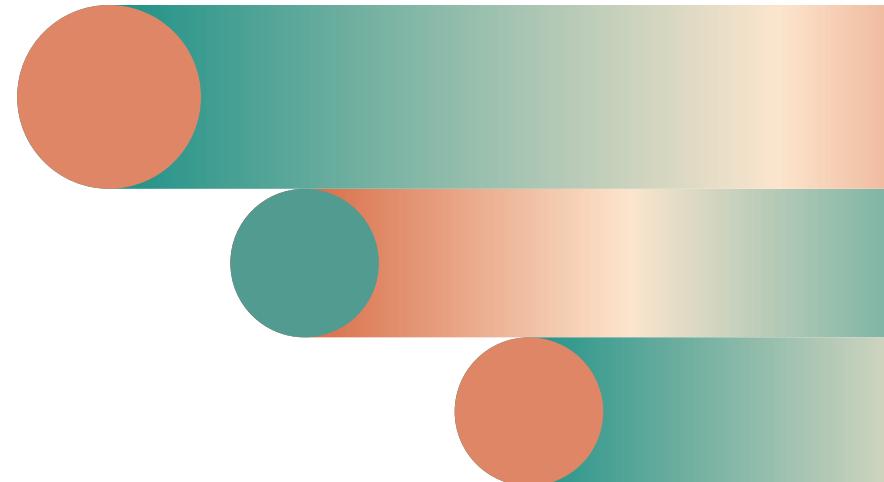
Building for the Future



Questions?



Appendix



Cluster Analysis

| clusters | FLR ratio | Student/ Teacher mean | Performance Index mean | Population mean | Crime Rate mean | Median Income mean |
|----------|-----------|-----------------------------|---------------------------|--------------------|--------------------|-----------------------|
| 0 | 0.352416 | 0.054644 | 79.713520 | 57344.250000 | 2.740371 | 57413.300000 |
| 1 | 0.134641 | 0.054306 | 98.909364 | 22431.000000 | 1.233609 | 119511.423077 |
| 2 | 0.334528 | 0.054743 | 85.344924 | 14544.069307 | 2.095392 | 60467.574257 |

PCA Correlation

| | PCA1 | PCA2 |
|-----------------------|-----------|-----------|
| FLR ratio | -0.584351 | -0.597377 |
| Teachers ratio | -0.123020 | 0.165471 |
| pi_city | 0.856885 | -0.055666 |
| Population | -0.228173 | 0.796413 |
| Crime Rate | -0.675422 | 0.344481 |
| m_hhld_income | 0.851332 | 0.15665 |