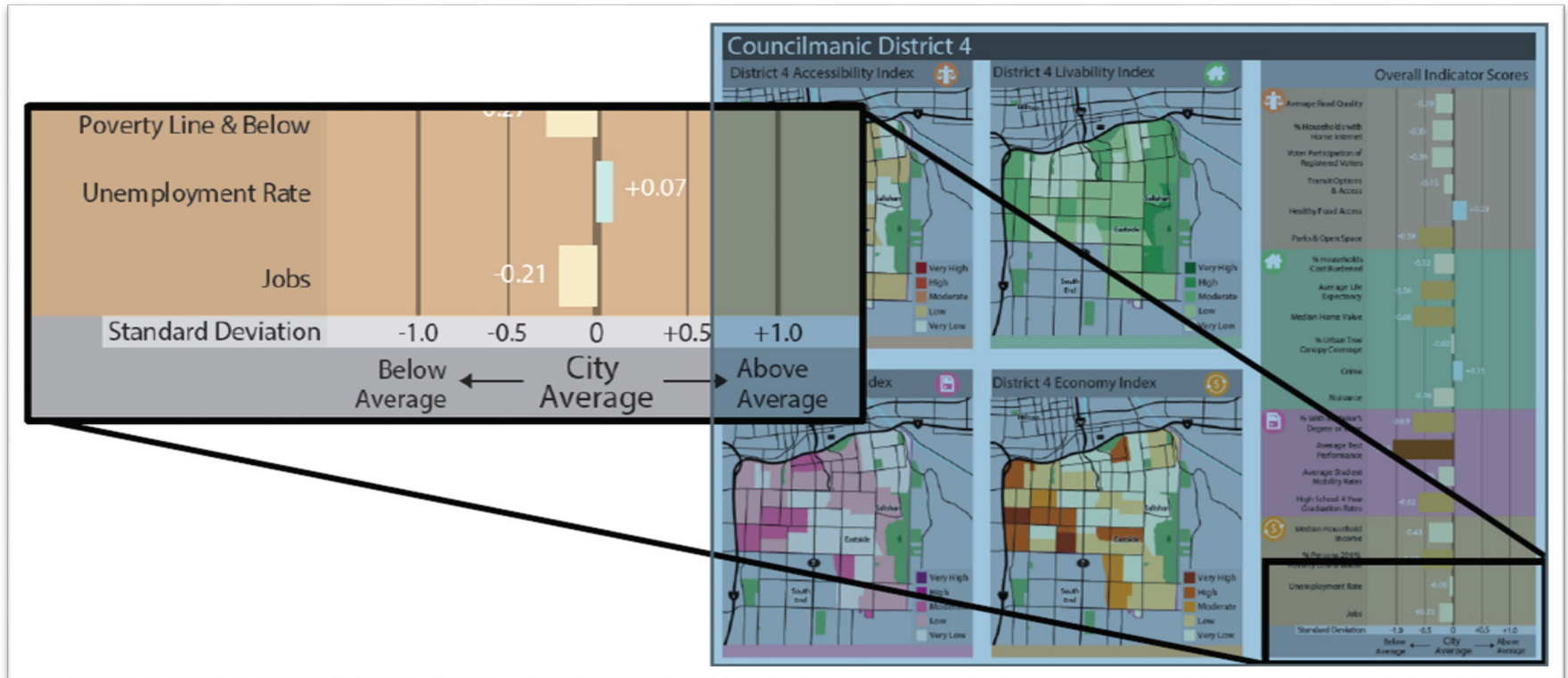
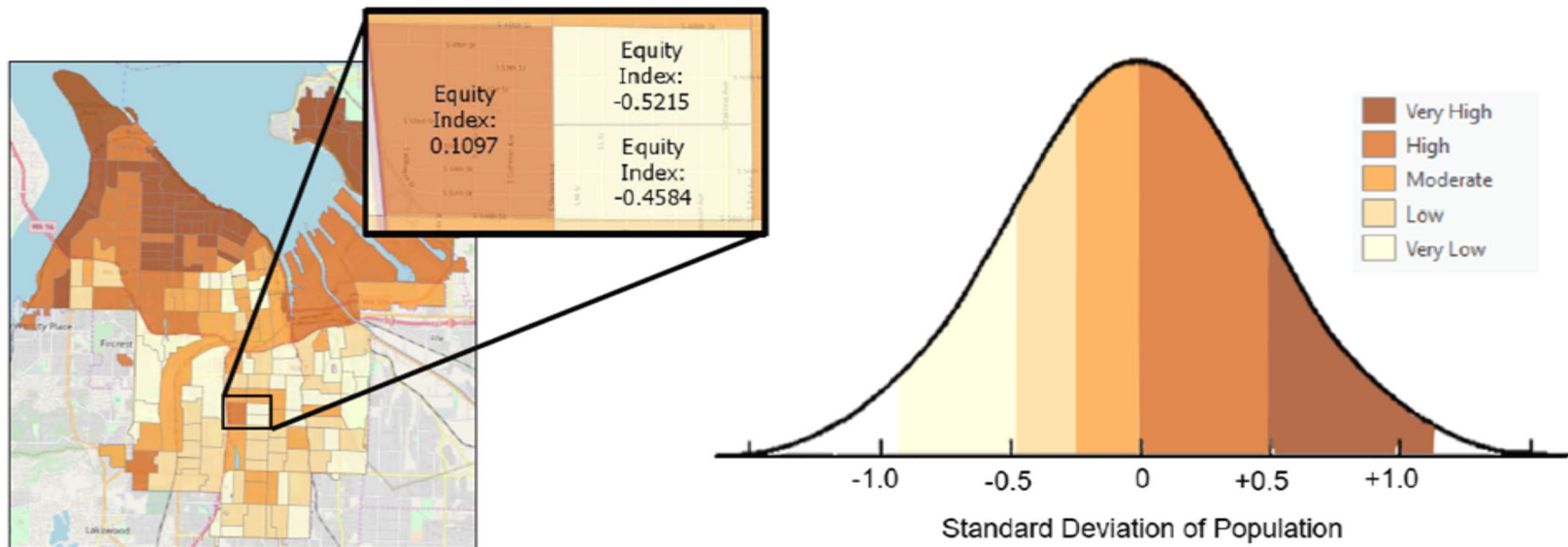


Application of the Equity Index

The Equity Index is based off Standard Deviations from the overall population.

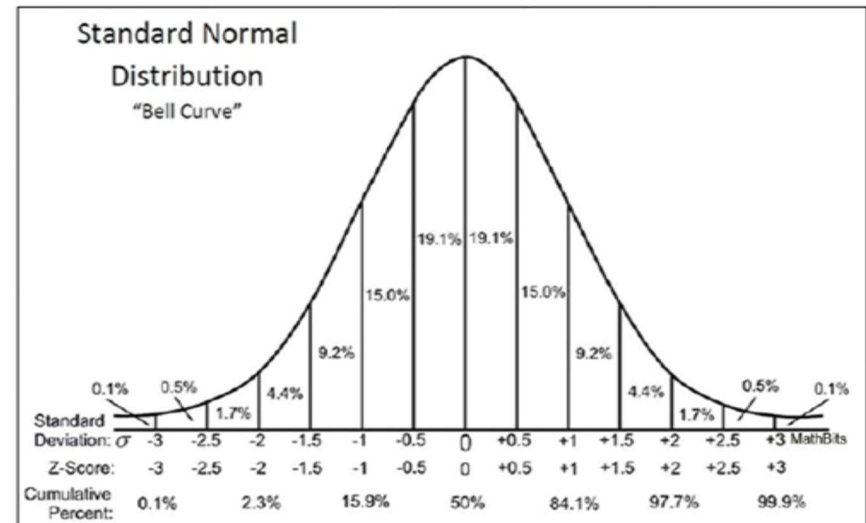


- Each census block has its own unique Equity Index Value.
- Values are shown as a plus/minus standard deviations (Range: -0.8 to +1.2)
- The Equity Index map groups the values into five colors.



- At the mean (average), 50% of the City has a higher opportunity and 50% has a lower opportunity.
- By knowing the standard deviation from the mean, the percent of the population can be calculated on any point on the curve.

- Example: At +0.5 standard deviations above the mean, 19.1% of the population has a higher opportunity than the average Tacoma citizen.



Knowing the exact standard deviation for each census block, the percent of the population can be calculated and applied as a modifier to the score for each dark segment. A standard deviation of zero would result in no modification to the score. Areas of higher opportunity would result in a reduction in the score. Areas of lower opportunity would result in an increase in the score.



Example 1: S. 54th Street, West of Sheridan.

- Raw Score = **6.4**
- Equity Index = +0.1097 Std. Dev.
- Percent of Population = +4.4%
- Multiply Raw Score by 0.956
- Normalized Equitable Result = **6.1**



Example 2: S. 54th Street, East of Sheridan.

- Raw Score = **6.6**
- Equity Index = -0.5215 Std. Dev.
- Percent of Population = -19.8%
- Multiply Raw Score by 1.198
- Normalized Equitable Result = **7.8**

