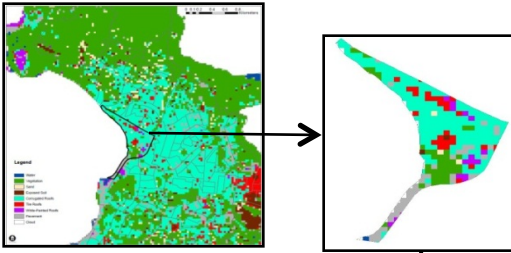
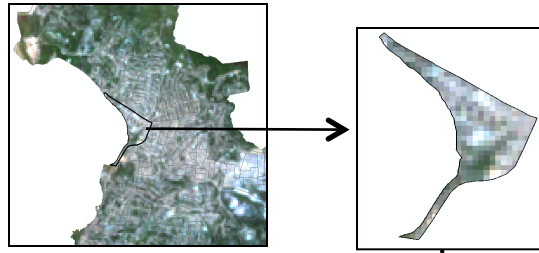


2002 Landsat TM Imagery

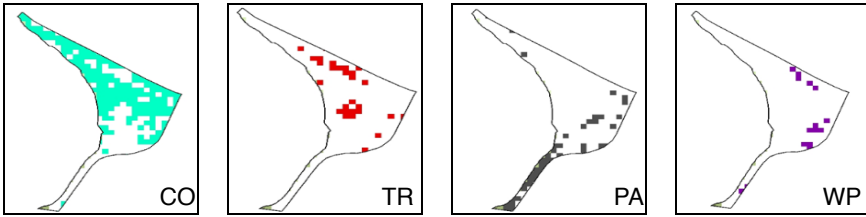
a) Land Cover Classification



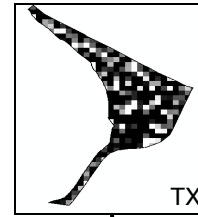
b) Texture Analysis



c) Extraction of Urban Land Covers



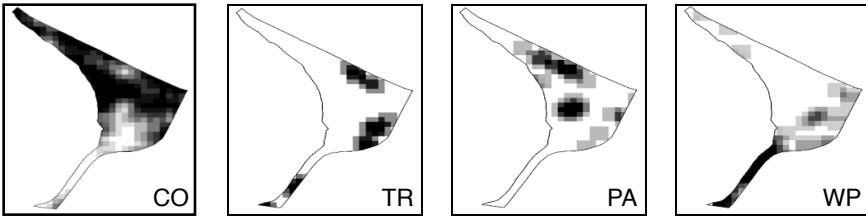
d) High Pass Filter of Red Band



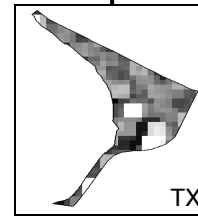
Legend:

- BR: Bathrooms
- GB: Garbage
- CR: Crowding
- IN: Income
- WA: Water
- CO: Corrugated roofs
- TR: Tiled Roofs
- PA: Pavement
- WP: White-painted Roofs
- TX: Texture

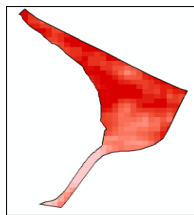
e) Proportion of Impervious Land covers in a 3x3 Pixel Window



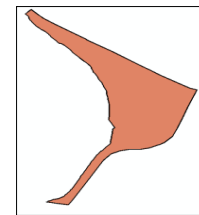
f) Standard Deviation Within a 3x3 Window



g) Dimension 1 Mapped at the Pixel Level Using Canonical Loadings as Weights (Figure 4A)



h) Dimension 2 Mapped at the Census Level Using Canonical Loadings as Weights (Figure 4B)



i) Final Spatial Map of Deprivation Using the Canonical Variates as Weights (Figure 5)

