Abstract

Modeling Population Growth using Parcel Based Land Use in LVV

Track: Modeling
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Las Vegas in the last decade has experienced rapid development, presenting the government with the challenging task of estimating population growth. Past studies have estimated growth based on historical census data. Unfortunately, constraints with such a model are its inability to spatially determine the number and specific locations of the dwelling units, and time line related to the expected growth. Instead, the current study proposes growth estimation based on parcel modeling. This approach has the advantage of modeling the actual location of growth factoring in the dynamic nature of land use as opposed to simply predicting population growth.

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