The 93rd Texas MAA Section Meeting 2013

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Growth Patterns of Ethnic Groups in Bexar County with Modified Leslie Models

Friday 12 Apr 2013 at 08:45 (00h10')

Content:
The purpose of this study is to modify the Leslie model with a dynamic matrix for better population projections in Bexar County. A dynamic matrix was used to improve the static Leslie model used in the previous study since human population growth is dynamic and complex. The matrix was constructed with functions that modeled the birth rates and survival rates. This allowed the rates to change from year to year. The population projections using the dynamic matrix were compared to the real population data and the static matrix. The researcher concluded that overall the dynamic matrix produced good population projections for the ethnic groups in Bexar County.

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