TITLE: URBAN GROWTH MODEL

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Background of the problem: Urban growth in the civilized world impacts the geographical aspects to a great extent. To analyze its use and find about its Land Cover and Land Use numerous ways can be implemented for it.

Problem statement: To analyze Land Cover and Land Use (LULC) data for urbanization.

Objective: Using LULC data for past few decades we will predict the extent of urbanization that will occur in the coming years for a particular geographical area.

Research question: Growth of urbanisation can be surveyed with research topics like growth in residential areas, increase/decrease in water bodies, increase/decrease in vegetation and its impact on environment.

Data to be used: LULC Data of past few decades of a specific geographical area

Possible methods to be adopted: Different models can be implemented like Logistic regression, Maximum Likelihood, etc.

Expected results: Predicting outcomes of various LULC in upcoming years

Keywords: LULC, Urban growth model, Maximum Likelihood