EVALUATING SUCCESS OF INFORMATION EXTRACTION PROCESS ON AREA FEATURES

Objectives

- To extract building from high resolution optical images
- To propose an evaluation parameters for quantitative evaluation of information extraction algorithms.
- To use the proposed evaluation parameters to compare popular segmentation algorithms.

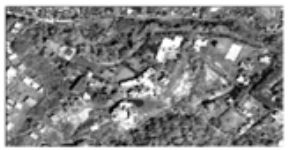
Research Methodology

- Development of Evaluation Indices
- Semiautomatic Feature Extraction
- Demonstration of Proposed Approach

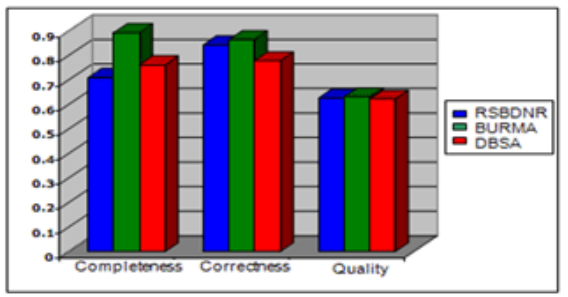
Research Outcomes

- An approach for spatially evaluating success of information extraction processes on area features
- Quantitative & qualitative analysis of three most commonly used segmentation algorithms, Region Segmentation Based on DN Range (RSBDNR), Bottom Up Region Merging Approach (BURMA) and Distance Based Segmentation Approach (DBSA) respectively

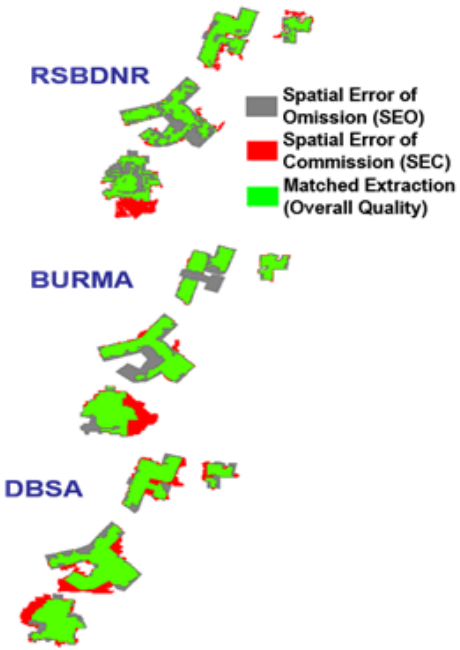
Research Outputs



Input Image



Quantitative Comparison of (average performance of) three segmentation modules



Spatial Evaluation Maps