Comparison of some kinds of decision trees for finding active objects

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The automated classification of objects from large catalogues or survey projects is an important task in many astronomical surveys. Faced with various classification algorithms, astronomers should select the method according to their requirements. Here we describe several kinds of decision trees for finding active objects by multi-wavelength data, such as Random Forest, C4.5, ID3, OC1, AdTree. Moreover the classification performance of the methods is presented.