

STAT 679 Final Project Proposal

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1 Astronomical Challenge

Our research focuses on classifying celestial objects into stars, galaxies or quasars using their spectral characteristics. With the advancement of astronomical technology, we can obtain a large amount of data, including images and spectral information, from telescopes and large-scale photometry.

The central question of our research is: “How can we effectively use image and spectral data to accurately classify different types of stellar objects?”

2 Data

3 Methods

4 Contribution