Open source canopy classification

Workspace

This project is parallel research to the GFC canopy assessment by Owen Smith for Dr. Cho's GISC 4903 - Special Topics in GIS . Its focus is on creating an open source canopy classification system designed specifically to utilize NAIP imagery within an efficient Python module built on Scikit-learn, GDAL, and NumPy.

The goal is to create an alternative to proprietary classification systems (e.g., Feature Analyst by Textron Systems) to be used for ongoing research into canopy change and the need for efficient data creation that is required.

Presented in the 2020 UNG Annual Research Conference

- Talk
- Slides

Publications

- Poster
- Paper

Software

The source code for the project can be viewed in the CanoClass GitHub repository.

projects