Segmenting the Right-Of-Way of San Francisco

Using VGG16-UNET on RGB Satellite Imagery

MUSA 650 Final Project

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My project focuses on right-of-way semantic segmentation of satellite imagery. I had to split my report and code into two parts *(use GitHub Links below)*:

1. Introduction & Data
   * **Final Report** **Part 1 –** [**FinalProject\_Part1.pdf**](https://github.com/nelmsal/MUSA650_FinalProject_RightOfWayClassification/blob/main/deliverables/Nelms%20-%20Final%20Report%20-%20Part%201.pdf)
   * **Data Cleaning Code –** [**FinalProject\_dataclean.ipynb**](https://github.com/nelmsal/MUSA650_FinalProject_RightOfWayClassification/blob/main/scripts/FinalProject_dataclean.ipynb)
2. Methods, Results, & Discussion
   * **Final Report** **Part 2 –** [**FinalProject\_Part2.pdf**](https://github.com/nelmsal/MUSA650_FinalProject_RightOfWayClassification/blob/main/deliverables/Nelms%20-%20Final%20Report%20-%20Part%202.pdf)
   * **Model Code –** [**FinalProject\_model.ipynb**](https://github.com/nelmsal/MUSA650_FinalProject_RightOfWayClassification/blob/main/scripts/FinalProject_model.ipynb)

I apologize for the split but I had to jump between a locally hosted data cleaning notebook and a Google Collab notebook. This is a solo project so I had to get *creative* near the end of my project to meet the deadline.

Here is the link to my [Google Slides presentation](https://docs.google.com/presentation/d/1BGzBSVF4Eo_dQROak7-FWMpZp5g5HgeVNyeNkJf6PQI/edit?usp=sharing) and my project’s [Github](https://github.com/nelmsal/MUSA650_FinalProject_RightOfWayClassification)