

PhD Thesis Repository - Carbon Emission Modeling Using Remotely Sensed Data from Disturbances in Canada

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Overview

Welcome to the repository for my Ph.D. thesis in Earth and Environmental Science at McMaster University. This thesis explores carbon emission modeling using remotely sensed data from disturbances in Canada. The repository contains chapters 1 to 5, covering the entire thesis submission.

- Chapter 1: Introduction
- Chapter 2: Methods
- Chapter 3: Results
- Chapter 4: Discussion
- Chapter 5: Conclusion

Additionally, the repository features an **Appendix** section, where you can find:

- Code: The ‘code’ subdirectory contains scripts used for all analyses, conveniently organized within the respective chapters.
- Google Earth Engine (GEE): The ‘code’ subdirectory also includes documentation and scripts related to Google Earth Engine for extracting climate and burn indices variables.
- Data Documentation: The ‘data’ subdirectory within the ‘Appendix’ section provides documentation for the data used in the thesis.

Data Availability

Thesis Data

All data used in this thesis can be found in the ‘Data’ folder within this repository (GitHub/ChinyereRuth/Thesis).

Outputs

The outputs generated from the thesis, including figures and other relevant results, are stored in the ‘output’ folder within the same repository.

Feel free to explore, utilize, and provide feedback. If you have any questions or suggestions, please don’t hesitate to reach out.

Thank you for your interest!