# Markdown Practice Activity

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## Introduction

This is my manuscript for the my CIEE Productivity and Reproducibility project. I am writing text in "Markdown" format.

I can write in **bold** and *italics*.

I can add in-text citations, like these (Ramanujan 2006; Peters et al. 2004; S. M. Juice et al. 2006).

## Methods

### Dataset

This project uses data from 'lterdatasampler', an R package that provides sampler datasets for teaching and learning purposes (Horst and Brun 2023).

The package contains several sample datasets, but we will work with the "hbr_maples" data. "[This] dataset contains observations on sugar maple seedlings in untreated and calcium-amended watersheds at Hubbard Brook Experimental Forest in New Hampshire" (Horst and Brun 2023).

The data originates from "Health and mycorrhizal colonization response of sugar maple (*Acer saccharum*) seedlings to calcium addition in Watershed 1 at the Hubbard Brook Experimental Forest" (S. Juice and Fahey 2019).

### Analysis

## Results

## Discussion

## References

Horst, Allison, and Julien Brun. 2023. "Lterdatasampler: Educational Dataset Examples from the Long Term Ecological Research Program."

Juice, Stephanie M., Timothy J. Fahey, Thomas G. Siccama, Charles T. Driscoll, Ellen G. Denny, Christopher Eagar, Natalie L. Cleavitt, Rakesh Minocha, and Andrew D. Richardson. 2006. "Response of Sugar Maple to Calcium Addition to Northern Hardwood Forest." *Ecology* 87 (5): 1267–80. https://doi.org/10.1890/0012-9658(2006)87%5B1267:ROSMTC%5D2.0.CO;2.

Juice, Stephanie, and Tim Fahey. 2019. "Health and Mycorrhizal Colonization Response of Sugar Maple (Acer Saccharum) Seedlings to Calcium Addition in Watershed 1 at the Hubbard Brook Experimental Forest Ver 3." Environmental Data Initiative. https://doi.org/10.6073/PASTA/0ADE53EDE9A916A36962799B2407097E.

Peters, Stephen C., Joel D. Blum, Charles T. Driscoll, and Gene E. Likens. 2004. "Dissolution of Wollastonite During the Experimental Manipulation of Hubbard Brook Watershed 1." *Biogeochemistry* 67 (3): 309–29. https://doi.org/10.1023/B:BIOG.0000015787.44175.3f.

Ramanujan, Krishna. 2006. "Decades of Acid Rain Is Causing Loss of Valuable Northeast Sugar Maples, Cornell Researchers Warn." *Cornell Chronicle*. https://news.cornell.edu/stories/2006/05/acid-rain-causing-decline-sugar-maples-say-researchers.