

What Soil Can Tell Us...

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Abiotic and Biotic Factors Tell Us About The Community That Lives There

- We went to Norden to discover the **relationship** between the soil and vegetation.
- Abiotic means **living** organisms (eg. grass)
- Biotic means **nonliving** (eg. water)

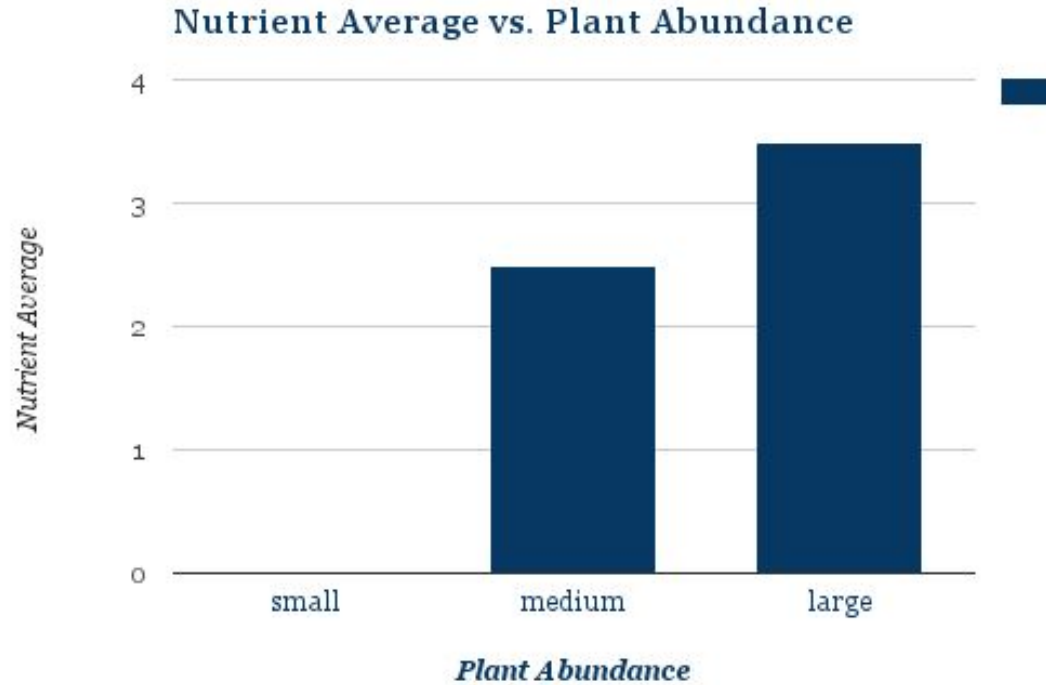
Hypothesis

- If the soil is **nutrient** filled then there is **more** vegetation.
- If the vegetation is **closer** to the water then it is **taller**.

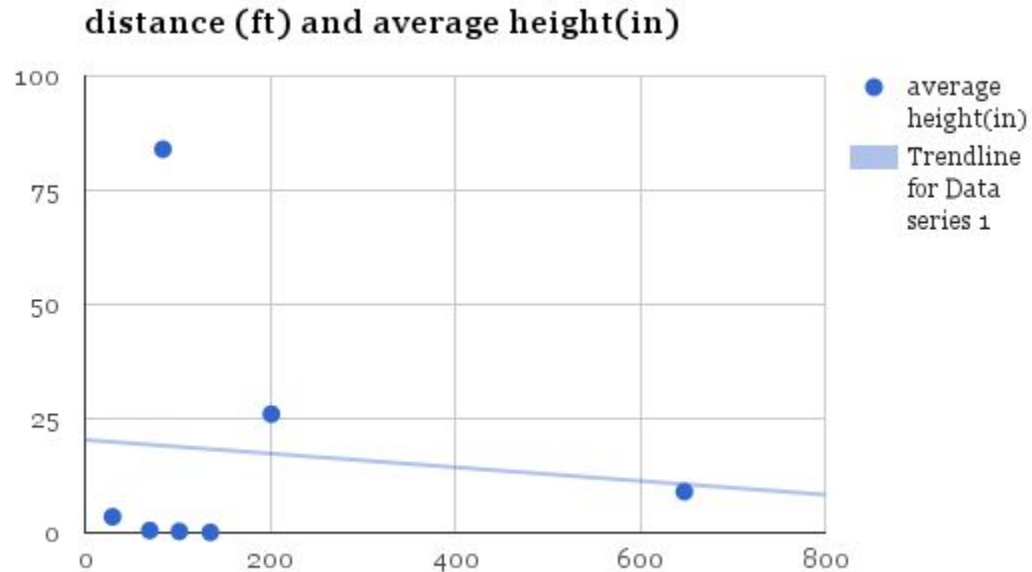
Methods

- **Estimated** the percentage of the vegetation that covered the soil.
- Measured the **average** height of the plants.
- Measured the **distance** from the nearest body of open water

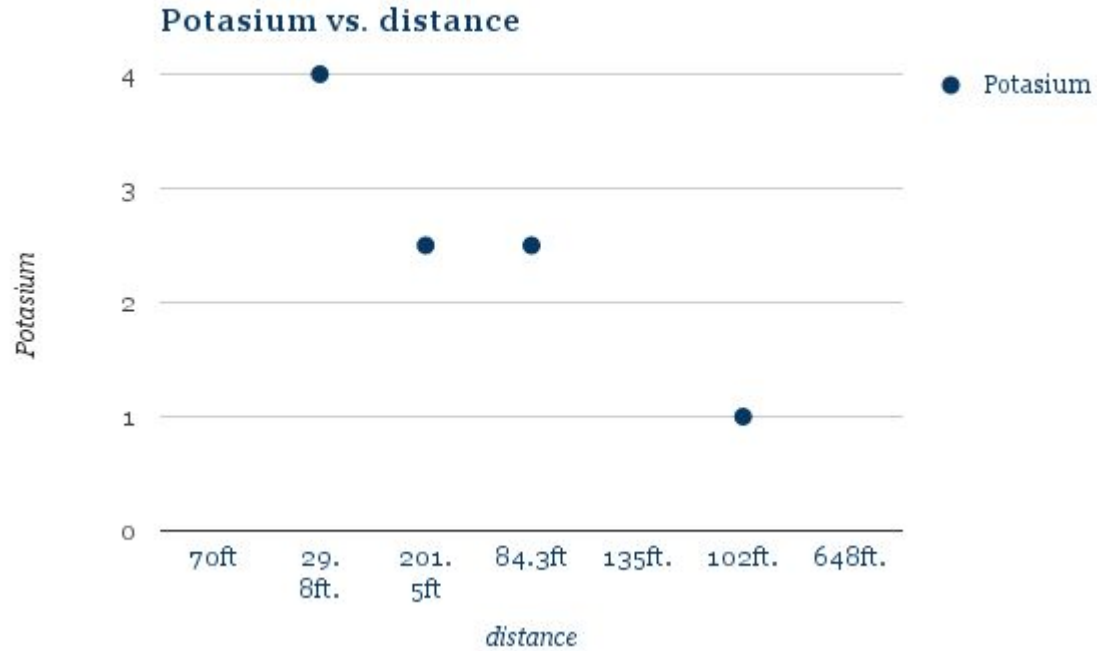
Results



Results



Results



Discussion

- We found that the **amount** of nutrients in the soil does **affect** the vegetation.
- We also found that the **closer** the vegetation was to the water, the average height was **taller**.

Discussion

- Our data supports our hypothesis
- The relationship between the independent and dependent variable support our hypothesis.

Discussion

Improvements:

- We could have been more **precise** with our **measurements**.
- We could of done **more** experiments.

Discussion

Expanding our question:

- We could look at **other** abiotic and biotic factors that **affect** the community.
 - **Animals**
 - **Recent weather trends**

Questions?