

# Greenland Glacier Atlas

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ENGR-5500

May 26, 2023

### 1. Knowledge of Greenland's Glaciers and their names

As far as the Greenland glaciers go, finding the correct name for the glaciers based on their locations. Throughout history, different organizations within Greenland have been naming the glaciers and over time those names have either been not accurate with the location or the name changes with the language changing. Currently, there are many articles about the history of the Greenlandic place names. By going through those articles, I was able to find coordinates of the different glaciers and the current names that are associated with it. Most of the courses that I have taken have prepared me when it comes to finding sources and analyzing them to find the most useful information from them.

### 2. Data cleaning

From the articles, two sets of data came out of it. One of the data sets was a json file with coordinates of glaciers but there were no names associated with the points. The other file was an excel file with the most recent names of the glaciers with coordinates associated with them. For the project we need to clean up the data and match the names on the excel file to the points on the json file. With this, there is a lot of data cleaning that needs to be done and through excel sources, that will help to make the data easier to use. A course that has helped prepare me for this is Data Viz, where I was able to learn different shortcuts in excel that will help make the data easier to read and use.

### 3. Python

Python is a programming language that can be used on a server to create web applications. It can be used to create many different programs. I have learned python in the past and have become proficient with the programming language. With the project now, this will be more of a refresher and brushing up on parts of python that I have learned. For the parts of python that I have not learned, I will be using a lot of online resources such as tutorials and step-by-steps to learn the different aspects needed for the project. Most of the programming classes, such as Object-Oriented Programming have prepared me with the tools to continue learning Python.