# U.S. Rocky Mountain GLORIA Project

Final Code

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## Scripts

### 1\_DataPrep

#### VegetationData

##### 1x1VegData.R

Takes raw species-level data from 1x1m quadrat surveys from 5 parks, combines it into one dataset, aggregates to the park-summit-aspect level, and fills in meaningful 0-value data.

##### speciesRanges\_Final.R

Takes herbarium records with spatial data downloaded from iDigBio, selects relevant attributes, and finds various latitudinal summaries at that species level. Requires an intermediate step in where species’ points are cropped to an outline of North America. We performed this in QGIS rather an R for ease of visualization of points before and after being cropped.

##### surfaceCoverfromSpecCover\_final.R

Generates data for total plant cover from 1x1-m species-level quadrat survey data.

#### TemperatureData

#### AnalysisData

### 2\_ModelSelection

### 3\_Results