**Purpose:**

To calculate floral diversity metrics by site using plant survey data collected in the 2022 field season.

*PlantDiv2022*

Original datasheet used to log plant identification data

**Methods:**

We conducted plant biodiversity surveys for each site during each of the three sampling periods. At each site, we placed a 1m2 quadrat at the same meter marker within each transect. Placement was changed between periods to avoid re-sampling the same flowers. We recorded all plants in flower within each quadrant.

**Fields:**

Date: Date collected

Period: Canola bloom period collection (Pre-bloom, Bloom, Post-bloom)

Site: Site collected

CollectedBy: Initials of collector

Type: Plant type (Woody/Herbaceous)

Transect: Transect number within site where quadrat was placed

CommonName: Common name of plant

Family: Family of plant

Genus: Genus of plant

Species: Species of plant

Amount: Number of this plant within the quadrat

FloralUnits: Number of floral units of this plant within the quadrat (usually defined as individual blooms)  
Pressed: Whether a pressed sample was taken for later ID

Notes: Notes made during collection or sample prep

HerbariumNumber: Identification number of pressed sample

inatEntry: Whether an entry was made on inaturalist site for ID purposes

*AbundancebySeasonx*

Abundance results structured by season

*AbundancebySitex*

Abundance results structured by site

*FloralTukeyTest*

Tukey test results for graphing

*FloralSiteTukey*

Tukey test results for graphing

*AllFloral*

Restructured dataset for linear regressions

**Fields:**

SiteSeason: Sites divided by collection period

Site: Field sites

Season: Canola-bloom period when sample was collected (Pre-bloom, Bloom, Post-bloom)

Abundance: Calculated in *FloralDiv2022* script

Richness: Calculated in *FloralDiv2022* script

Shannon\_Diversity: Calculated in *FloralDiv2022* script