Data Processing Workflow

1. **Census Processing:** germination, mortality, flowering data from each year is cleaned and flowering data is separated for later use with seed set
   1. Scripts
      1. Census-Data-Clean16.R
         1. Inputs:
            1. Total-Census-2016.csv
            2. Marina-Treatment-30.csv
            3. Exp-Seed-Species.csv
            4. Viability-Overall.csv
         2. Outputs:
            1. dem-data-16.csv
            2. flo-data-16.csv
      2. Census-Data-Clean17.R
         1. Inputs:
            1. Total-Census-2017.csv
            2. Marina-Treatment-30.csv
            3. Exp-Seed-Species.csv
            4. Viability-Overall.csv
         2. Outputs:
            1. dem-data-17.csv
            2. flo-data-17.csv
2. **Grass Processing:** Calculate grass cover from both years and merge into one file;
   1. Scripts
      1. Grass-Data-Clean.R
         1. Inputs
            1. Marina-Treatment-30.csv
            2. Grass-Cover-2016.csv
            3. Grass-Cover-2017.csv
         2. Outputs
            1. grass-cover.csv
3. **Seed Set Processing**
   1. Scripts
      1. Seed-Set-Data-Clean.R
         1. Inputs
            1. Viability-Overall.csv
            2. flo-data-16.csv
            3. flo-data-17.csv
            4. Seed-set-2016.csv
            5. Seed-set-2017.csv
            6. Grass-Cover-2016.csv
            7. Grass-Cover-2017.csv
         2. Outputs
            1. final-flo-seed.csv
            2. final-flo-long.csv
            3. final-seed-long.csv
4. **Seed Bag Processing**
   1. Scripts
      1. Seed-Carryover-Clean.R
         1. Inputs
            1. Seed\_bags\_2016.csv
            2. Seed\_bags\_2017.csv
            3. Marina-Treatment-30.csv
            4. Exp-Seed-Species.csv
            5. Viability-Overall.csv
            6. final-traits-w.csv
         2. Outputs
            1. seed-carryover-plot.csv
            2. Seed-survival-soil.csv
5. **Trait Processing**
   1. Scripts
      1. Trait-Data-Clean.R
         1. Inputs
            1. C-N-Results.csv
            2. SLA\_2017.csv
            3. dim-sla.csv
            4. Field\_FinalHarvest.csv
            5. Field-traits-2017.csv
            6. Greenhouse-traits-2017.csv
            7. McL\_80SitesSpeciesTraits\_012615.csv
         2. Outputs
            1. final-traits.csv
            2. final-traits-w.csv
            3. final-sla-13c.csv