* Downloaded mean monthly temperature and precipitation from <https://prism.oregonstate.edu/recent/>
* US county shapefile was downloaded from <https://public.opendatasoft.com/explore/dataset/us-county-boundaries/export/?disjunctive.statefp&disjunctive.countyfp&disjunctive.name&disjunctive.namelsad&disjunctive.stusab&disjunctive.state_name&location=5,37.90953,-98.06396&basemap=jawg.light>
* New column created for US Counties that combined County Name and State Name. This was performed because of duplicate county names that exist in multiple states. States of Hawaii and Alaska are excluded
* Zonal Statistics tool in ArcGIS Pro was used extract the overlaying temperature or precipitation pixel values that are within or intersect the counties' polygon boundaries, and calculate the mean.
* This process was automated in python to apply to each monthly temp and precip .bil raster file from Jan 1981 to Sept 2023.