

Weather Data Cleaning

Clean

load packages

```
library(sf)
```

```
## Warning: package 'sf' was built under R version 3.6.2
```

```
## Linking to GEOS 3.7.2, GDAL 2.4.2, PROJ 5.2.0
```

```
library(dplyr)
```

```
##
```

```
## Attaching package: 'dplyr'
```

```
## The following objects are masked from 'package:stats':
```

```
##
```

```
##      filter, lag
```

```
## The following objects are masked from 'package:base':
```

```
##
```

```
##      intersect, setdiff, setequal, union
```

load data

```
load("weather.RData")
```

select columns

```
w <- weather%>%
```

```
  select("STATION", "NAME", "LATITUDE", "LONGITUDE", "ANN.PRCP.NORMAL", "ANN.TAVG.NORMAL")
```

remove NA's

```
wdf <- na.omit(w)
```

rename columns

```
names(wdf) <- c("STATION", "NAME", "LATITUDE", "LONGITUDE", "Avg_Precip", "Avg_Temp")
```

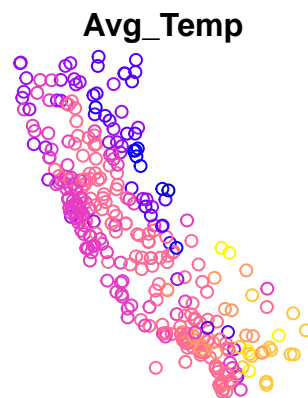
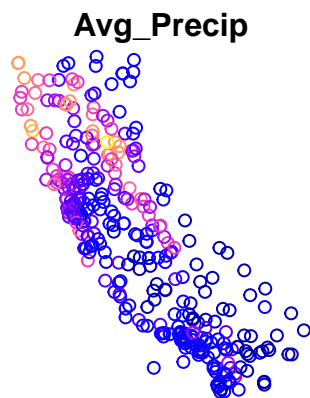
Add Geometry

Convert to spatial object

```
WeatherGeo <- st_as_sf(wdf, coords = c("LONGITUDE", "LATITUDE"), crs = 4326)
```

Check

```
plot(WeatherGeo)
```



save cleaned file

```
save(WeatherGeo, file = "WeatherGeo.rda")
```