# Assignment 14

#### Ellen Bledsoe

#### 2025-04-29

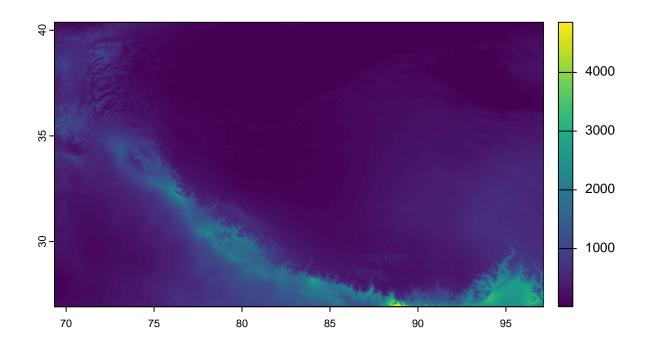
#### 1. Working with Raster Data in terra (20 pts)

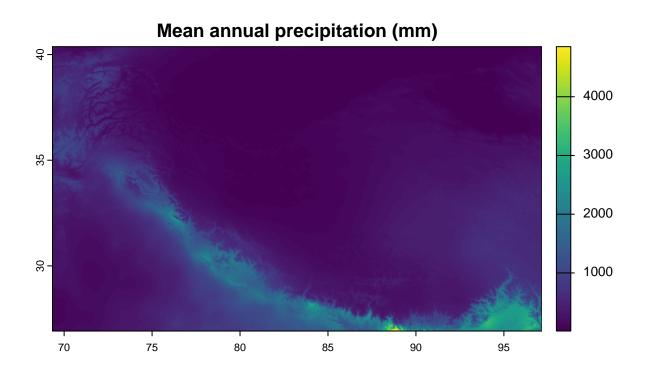
## max value

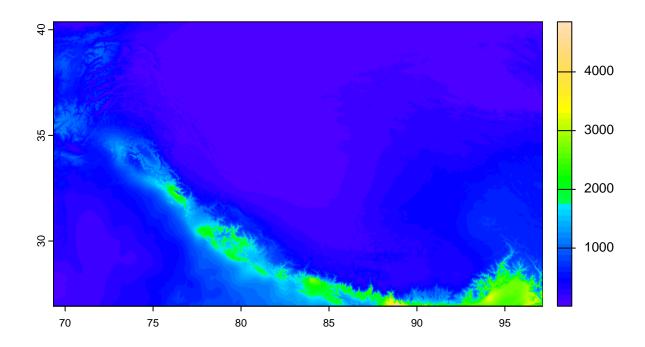
```
## terra 1.8.42
            : SpatRaster
## class
## dimensions : 4320, 8640, 1 (nrow, ncol, nlyr)
## resolution : 0.04166667, 0.04166667 (x, y)
## extent : -180, 180, -90, 90 (xmin, xmax, ymin, ymax)
## coord. ref. : lon/lat WGS 84 (EPSG:4326)
## source : global_precipitation.tif
             : global_precipitation
## name
## min value
## max value
                              11246
## class
             : SpatRaster
## dimensions : 323, 668, 1 (nrow, ncol, nlyr)
## resolution : 0.04166667, 0.04166667 (x, y)
## extent : 69.33333, 97.16667, 26.91667, 40.375 (xmin, xmax, ymin, ymax)
## coord. ref. : lon/lat WGS 84 (EPSG:4326)
## source(s) : memory
## varname
              : global_precipitation
## name
              : global_precipitation
## min value :
```

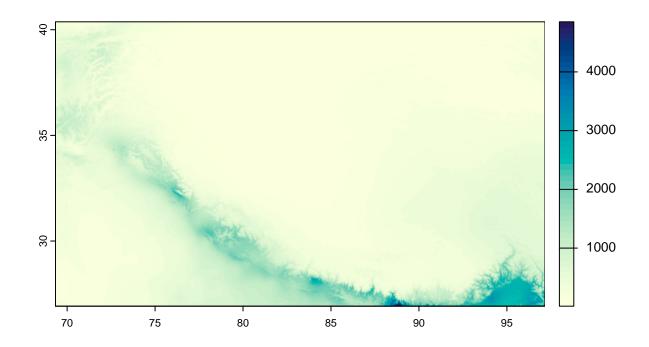
4853

## 2. Printing Maps (20 points)

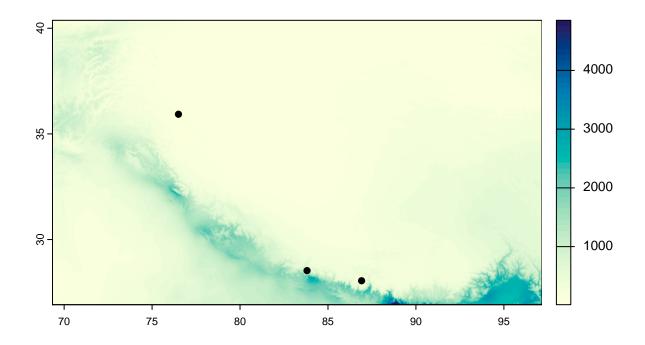


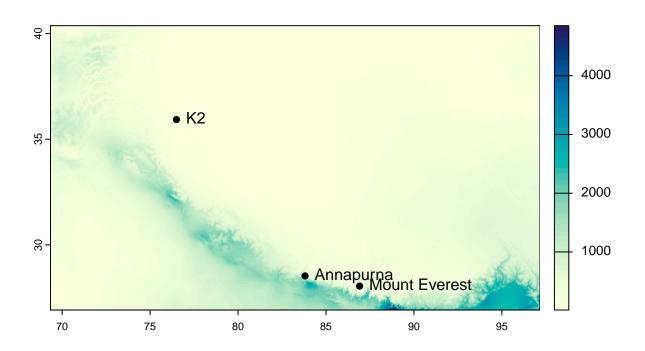






### 3. Working with Vector Data in terra (20 points)





### 4. Modifying Raster Values (20 points)

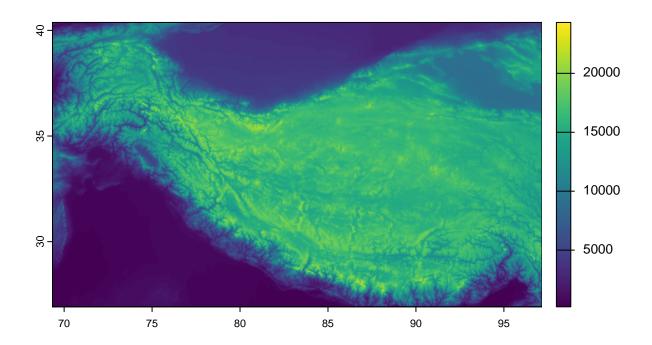
## class : SpatRaster

## extent : -180, 180, -90, 90 (xmin, xmax, ymin, ymax)

## coord. ref. : lon/lat WGS 84 (EPSG:4326)

## source : global\_elevation.tif
## name : global\_elevation
## min value : -415
## max value : 7412

## |-----|



## 5. Converting Raster Objects to Spatial Vector Objects (20 points)

