

Assignment 13

Ellen Bledsoe

2024-04-18

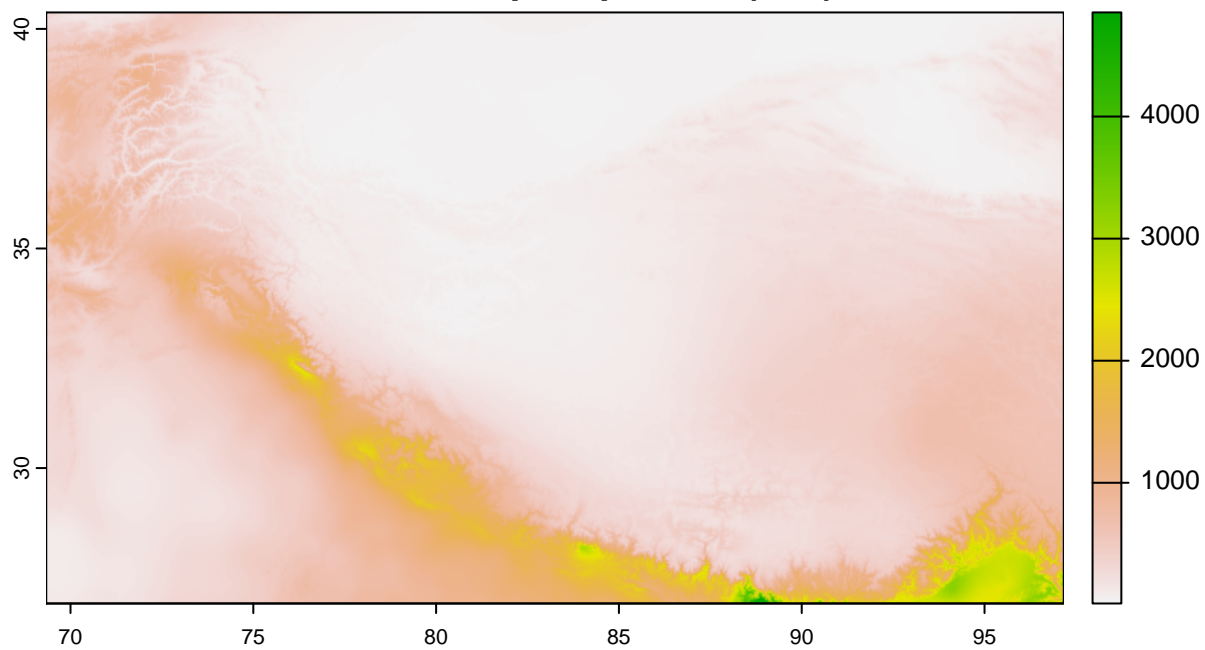
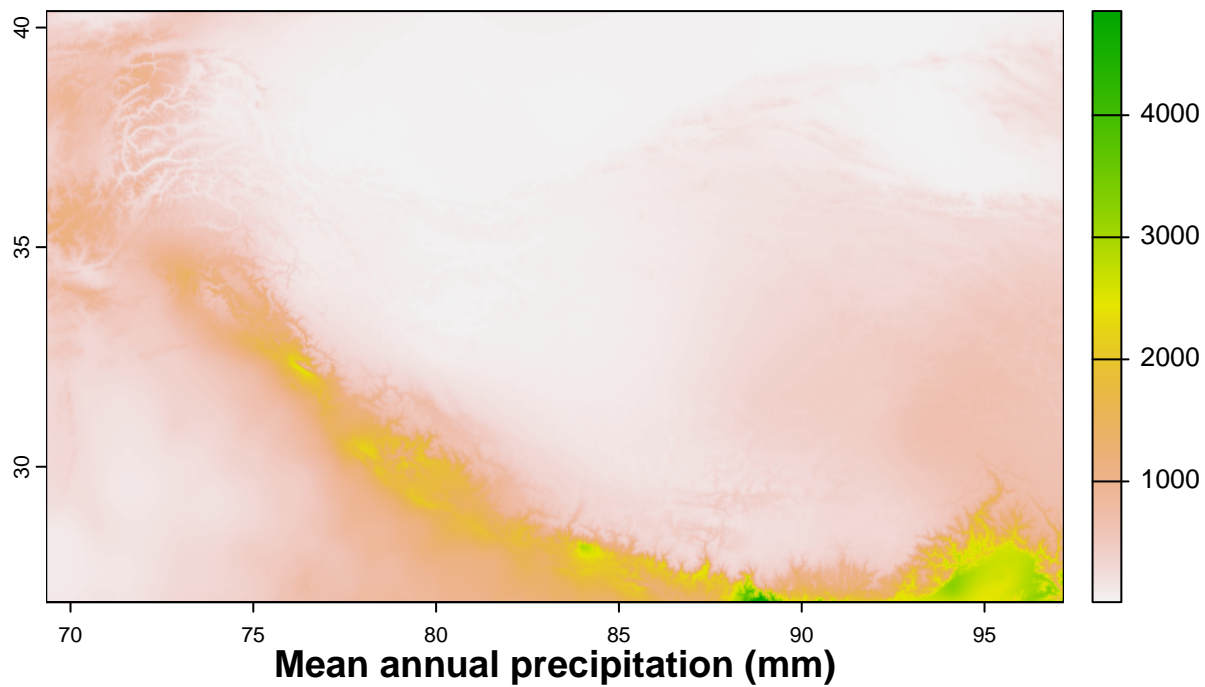
1. Working with raster data in terra (20 pts)

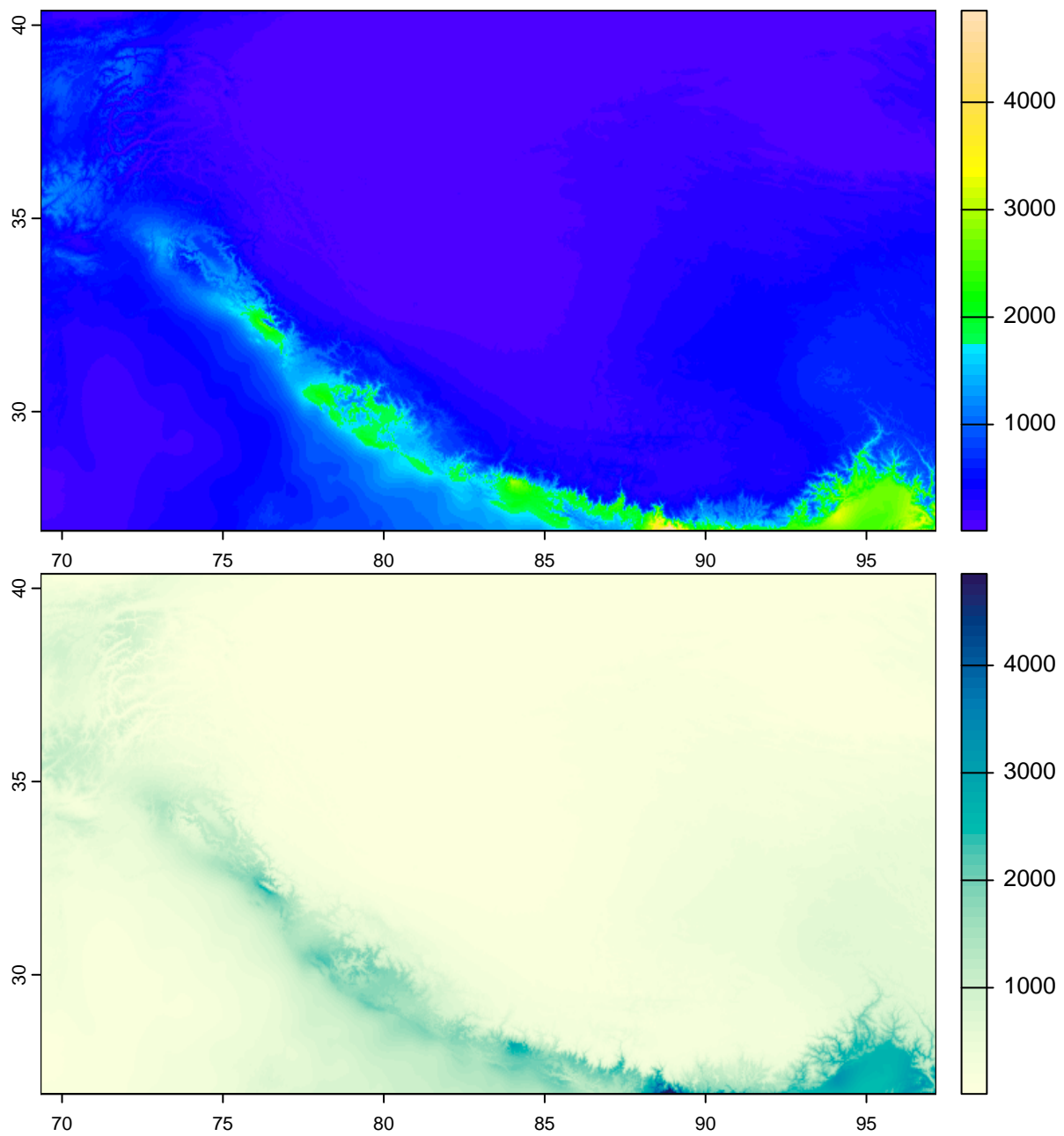
```
## terra 1.7.71
```

```
## class      : SpatRaster
## 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
## name        : global_precipitation
## min value    : 0
## max value    : 11246
```

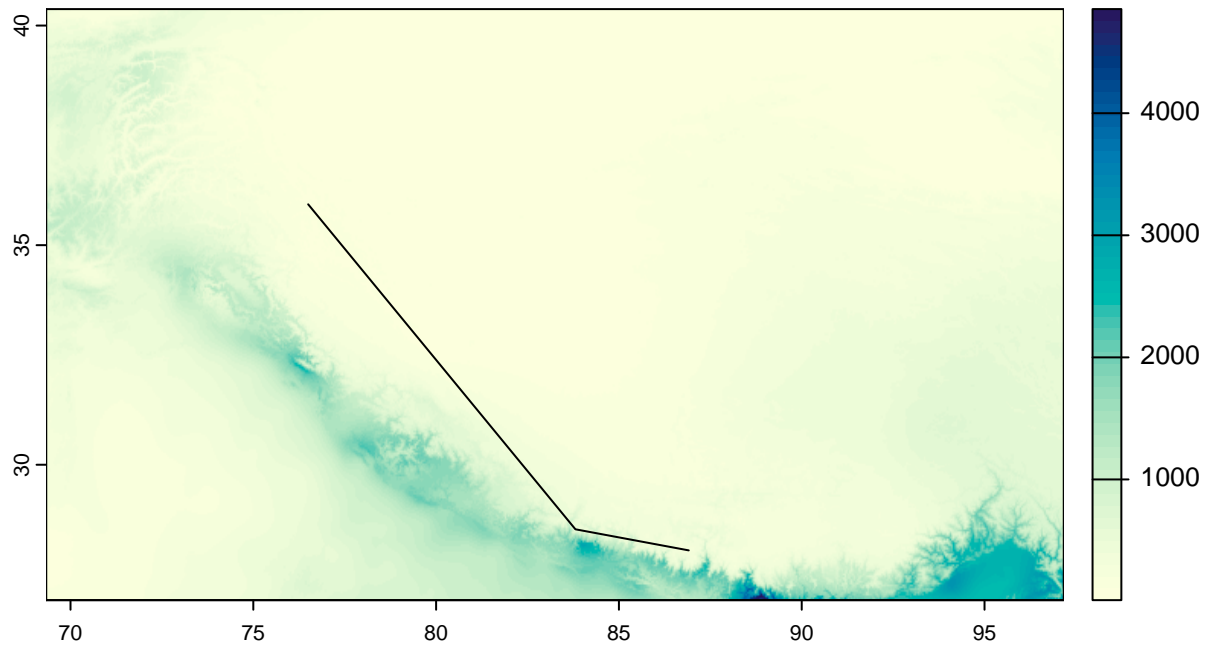
```
## class      : SpatRaster
## dimensions  : 323, 668, 1  (nrow, ncol, nlyr)
## resolution  : 0.04166667, 0.04166667  (x, y)
## extent      : 69.33333, 97.16667, 26.91667, 40.375  (xmin, xmax, ymin, ymax)
## coord. ref. : lon/lat WGS 84 (EPSG:4326)
## source(s)   : memory
## varname     : global_precipitation
## name        : global_precipitation
## min value    : 11
## max value    : 4853
```

2. Printing maps (20 points)



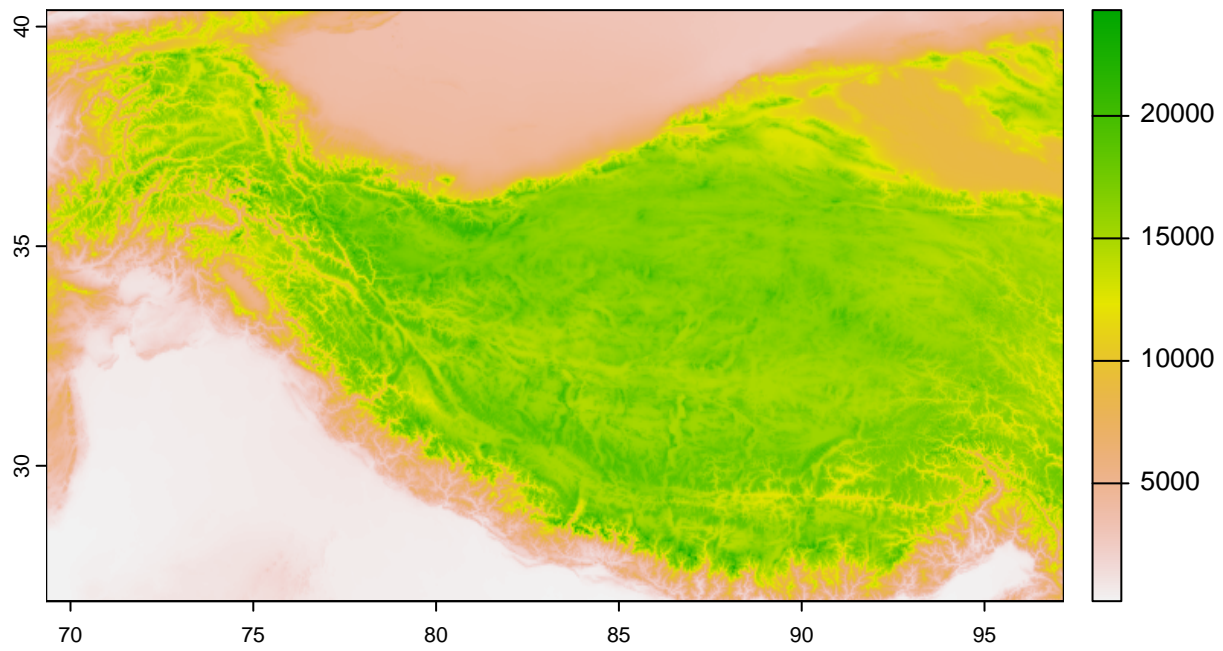


3. Working with vector data in terra (20 points)



4. Modifying raster values (20 points)

```
## class      : SpatRaster
## 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_elevation.tif
## name        : global_elevation
## min value   : -415
## max value   : 7412
```



5. Converting raster objects to spatial vector objects (20 points)

