

Resampling

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Resampling of rasters based on BioClim tifs

```
library(raster)
```

```
## Loading required package: sp
```

```
output_folder = "/Users/pranavkulkarni/SDM/Climate_Models_Arenaviruses/data/input/processed/resampled/"
```

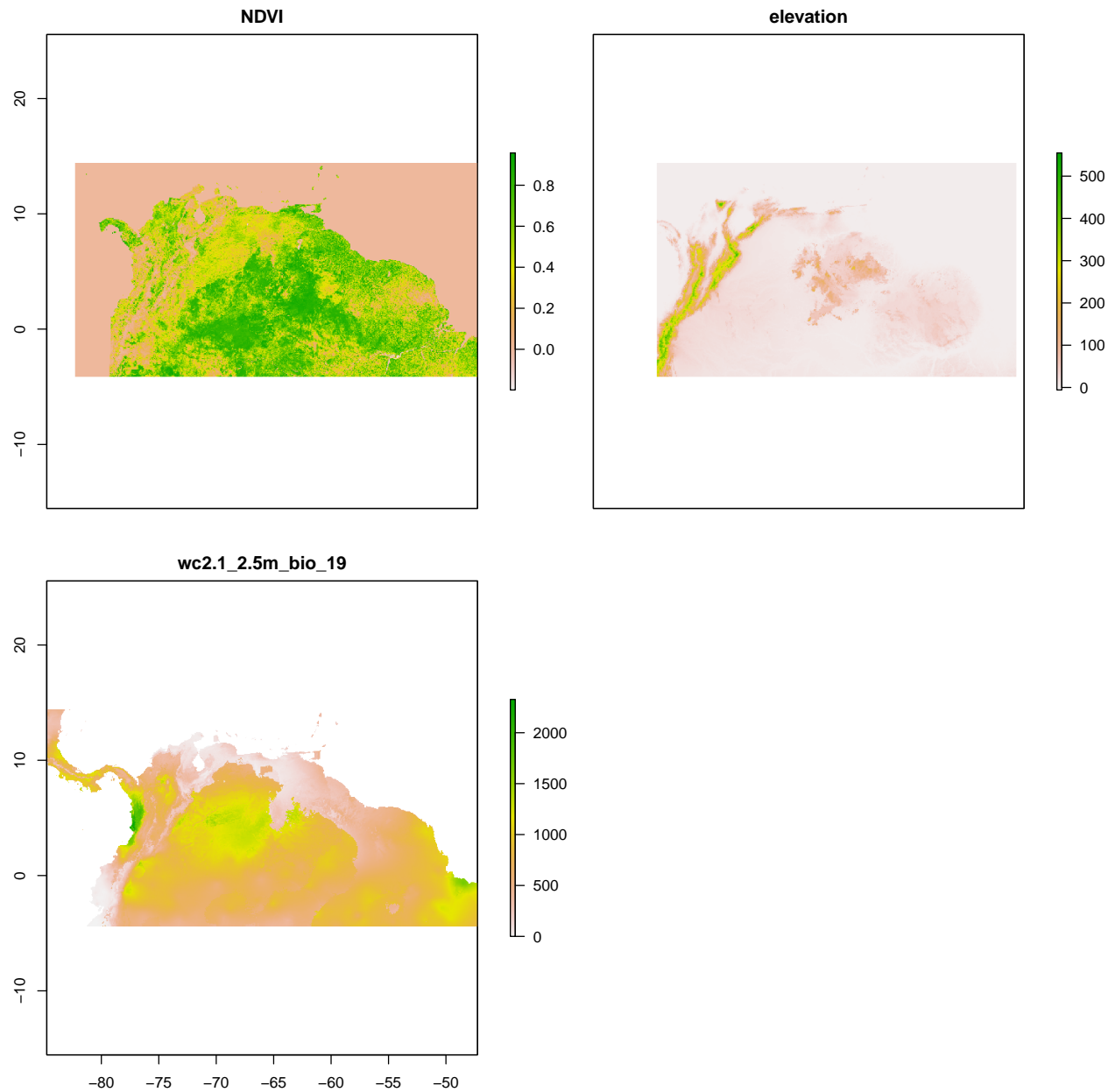
```
setwd("/Users/pranavkulkarni/SDM/Climate_Models_Arenaviruses/data/input/processed/")  
bclim = raster::raster("bclimwc2.1_2.5m_bio_19.tif")  
ndvi = raster::raster("NDVI_MODIS_guan.tif")  
dem = raster::raster("dem_srtm_guan.tif")
```

```
res_ndvi = resample(ndvi, bclim, method = "ngb")  
res_ndvi = res_ndvi/10000
```

```
res_dem = resample(dem, bclim, method = "ngb")
```

```
writeRaster(res_ndvi, paste0(output_folder, "ndvi_resampled.tif"),  
            "GTiff", overwrite = T)  
writeRaster(res_dem, paste0(output_folder, "dem_resampled.tif"),  
            "GTiff", overwrite = T)
```

```
raster::plot(brick(res_ndvi, res_dem, bclim))
```



```
setwd("/Users/pranavkulkarni/SDM/Climate_Models_Arenaviruses")
ndvi_2020 <- raster::raster("./data/input/processed/CMIP/CMIP6/NDVI_2020.tif")

bioclim <- raster::raster("/Users/pranavkulkarni/SDM/Climate_Models_Arenaviruses/data/input/processed/bioclim.tif")

ndvi_2020_resam <- terra::resample(ndvi_2020, bioclim, method = "ngb")

writeRaster(ndvi_2020_resam, "./data/input/processed/CMIP/CMIP6/NDVI_2020.tif",
            "GTiff", overwrite = T)
```