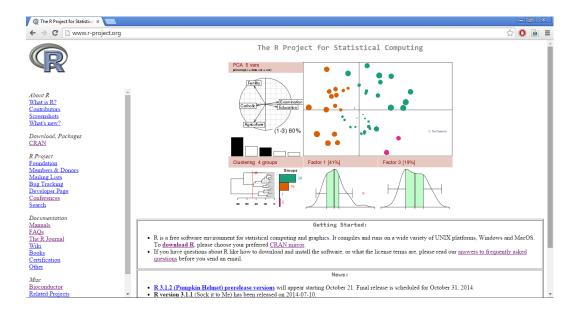
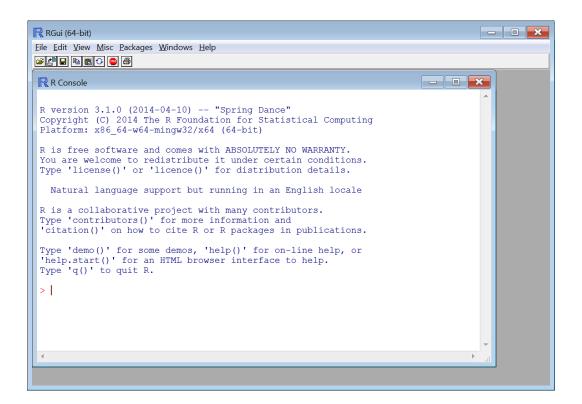
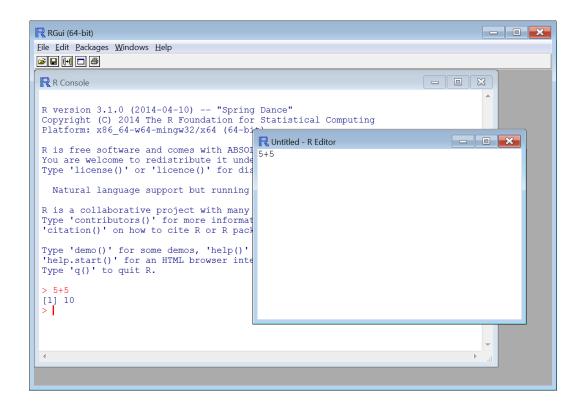
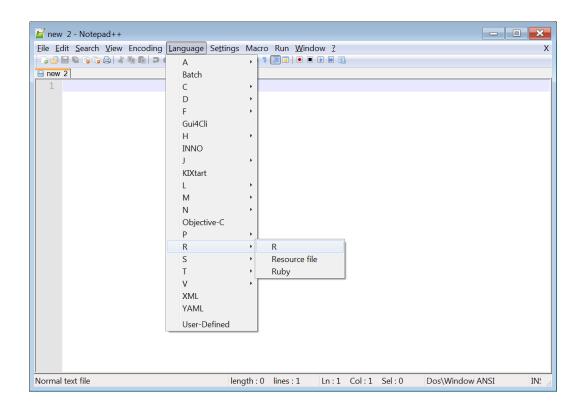
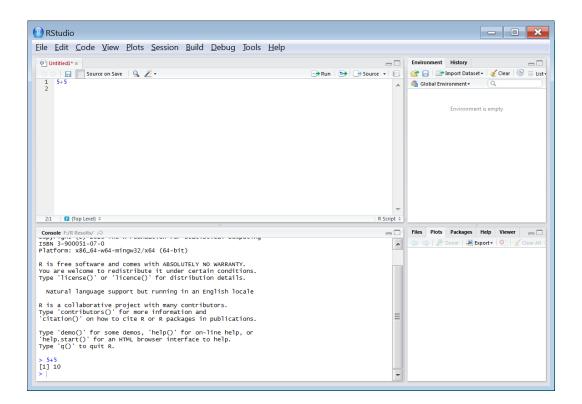
# **Chapter 1: The R Environment**

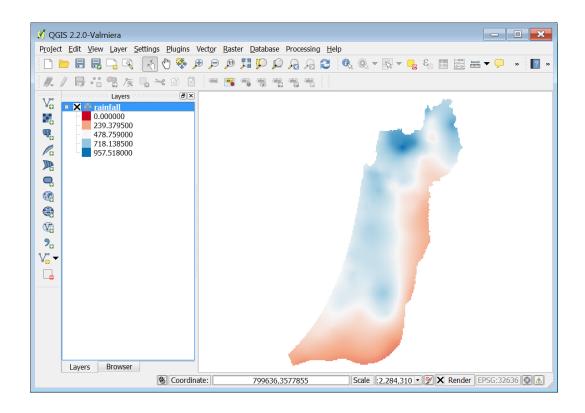




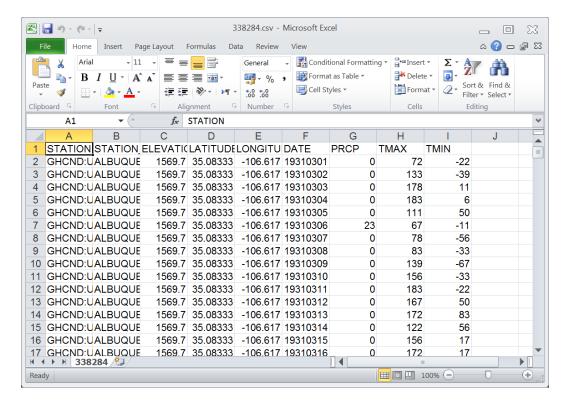




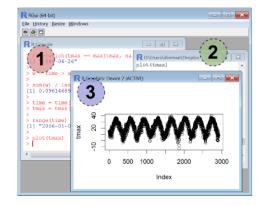




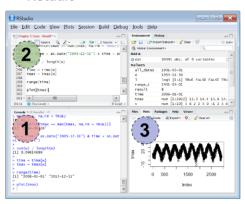
**Chapter 2: Working with Vectors and Time Series** 



## **RGui**



## **RStudio**





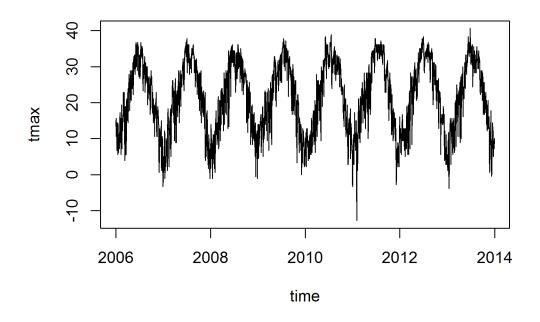
**Command line** 

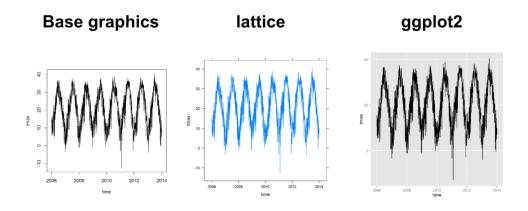


Script editor

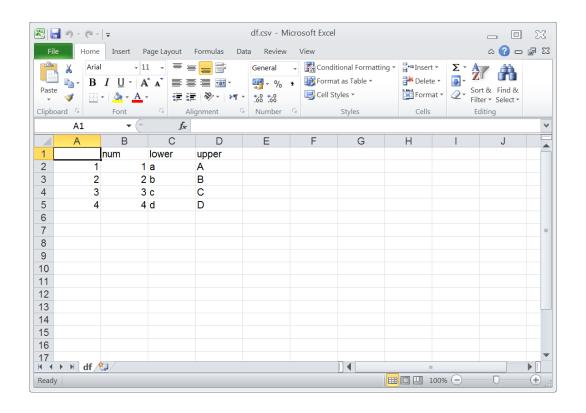


**Graphical window** 

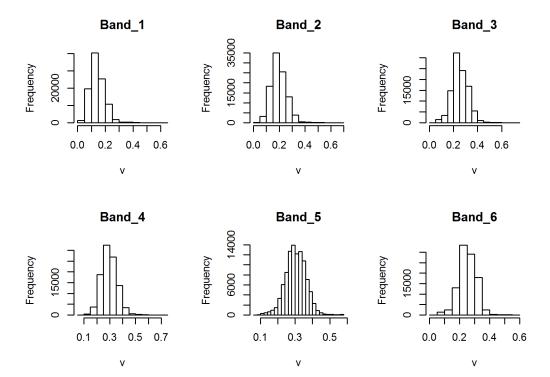


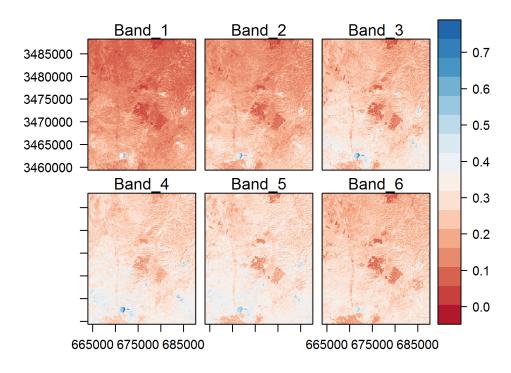


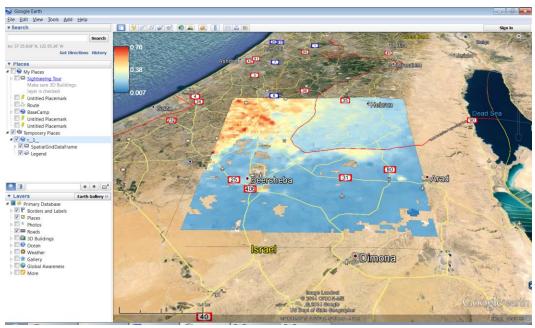
**Chapter 3: Working with Tables** 

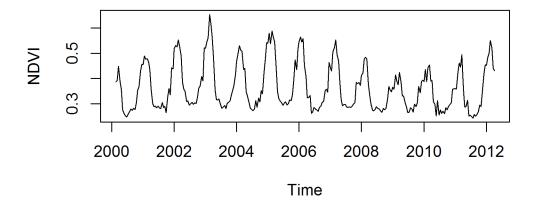


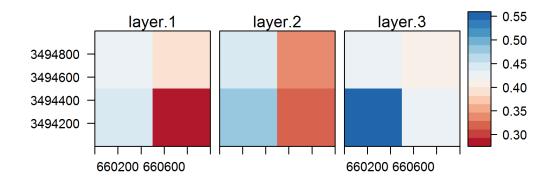
**Chapter 4: Working with Rasters** 

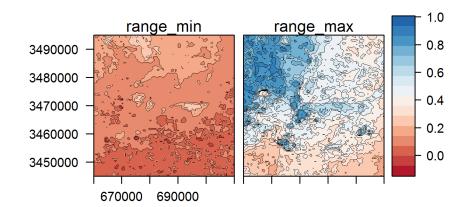


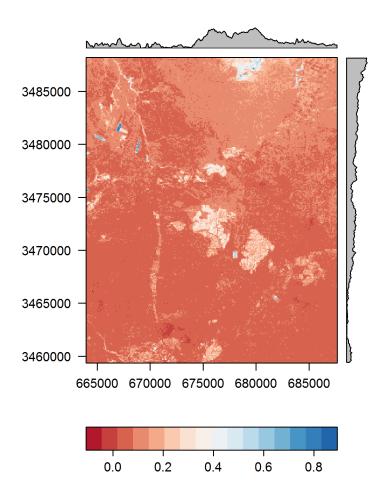


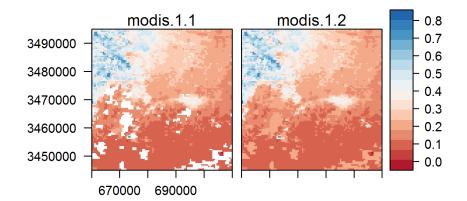


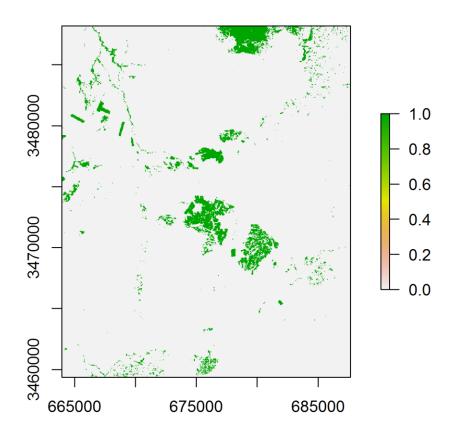




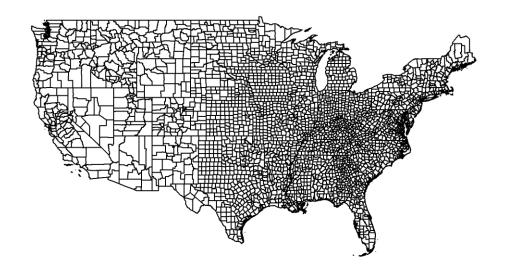


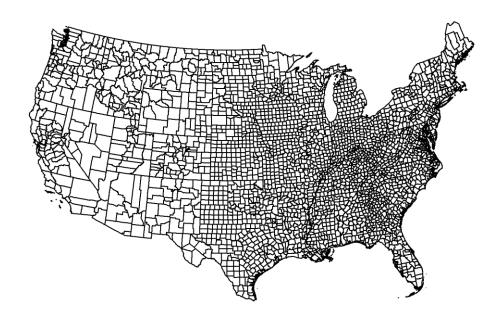




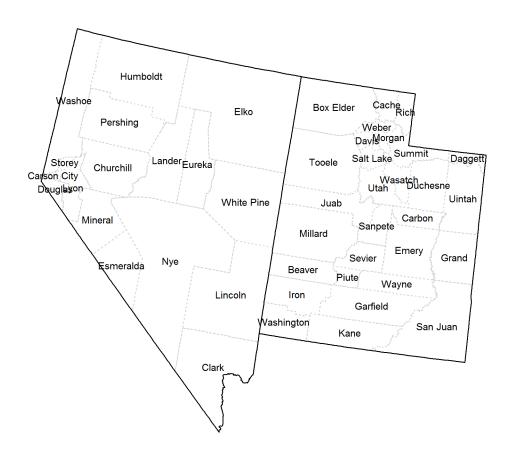


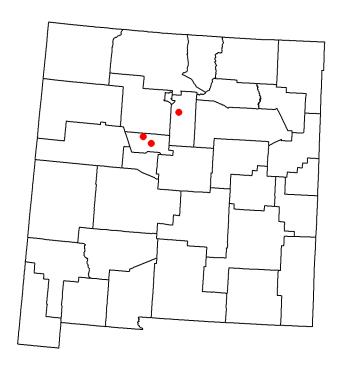
**Chapter 5: Working with Points, Lines, and Polygons** 

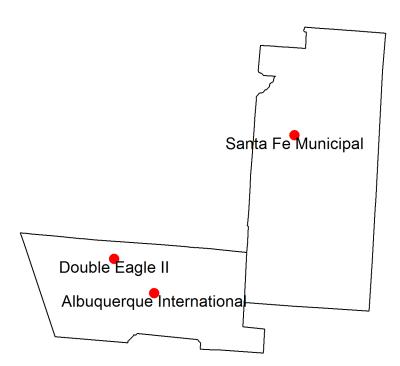






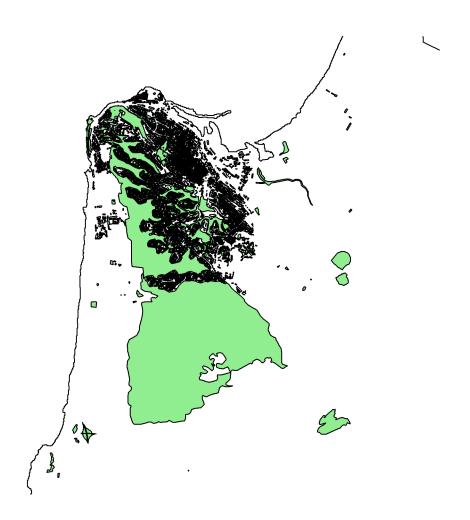


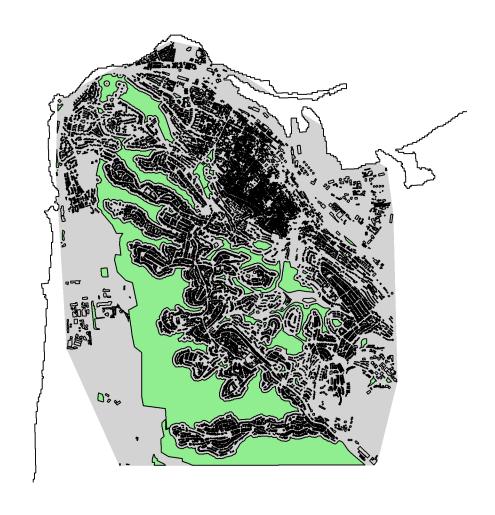




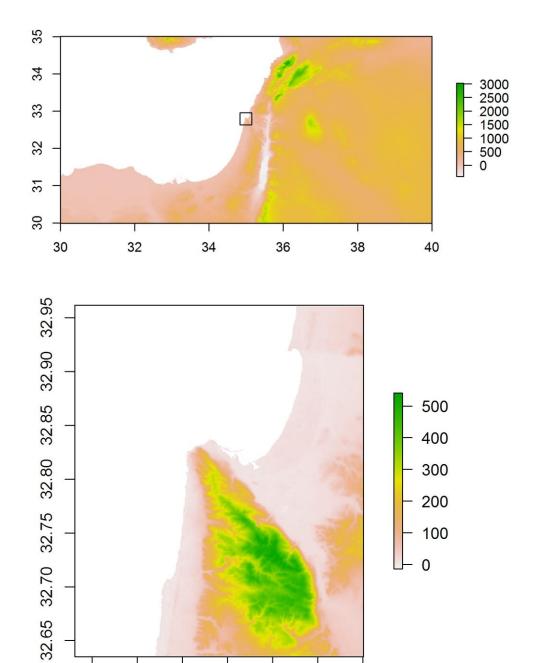


# A B gDifference(A,B) gIntersection(A,B) gSymdifference(A,B) gUnion(A,B)





**Chapter 6: Modifying Rasters and Analyzing Raster Time Series** 



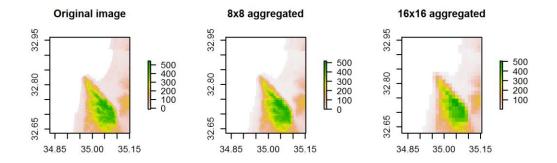
35.05

34.85

34.95

0

35.15

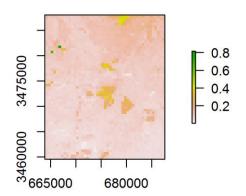


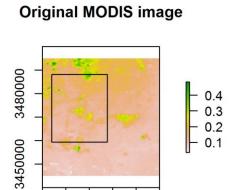


0.8 0.6 0.4 0.2 0.0 3475000 3460000

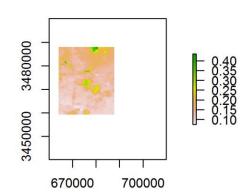
680000

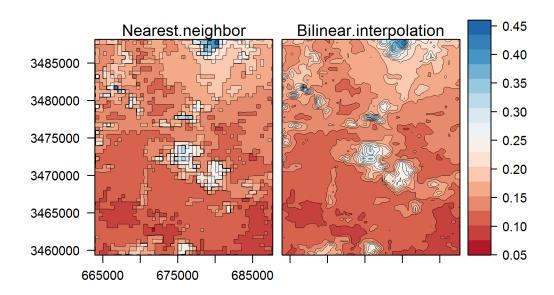
# **Resampled to MODIS**

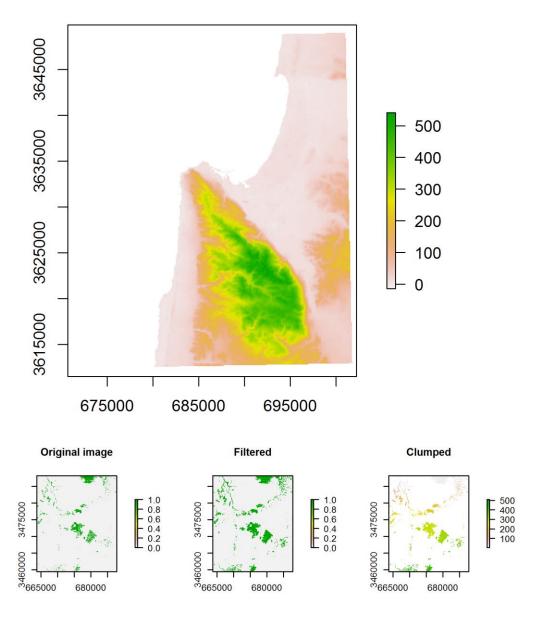


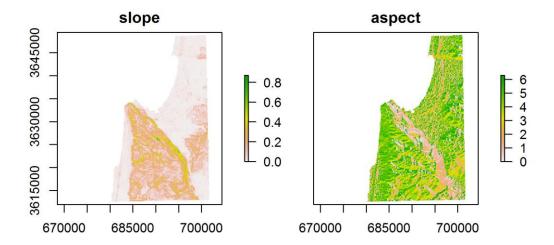


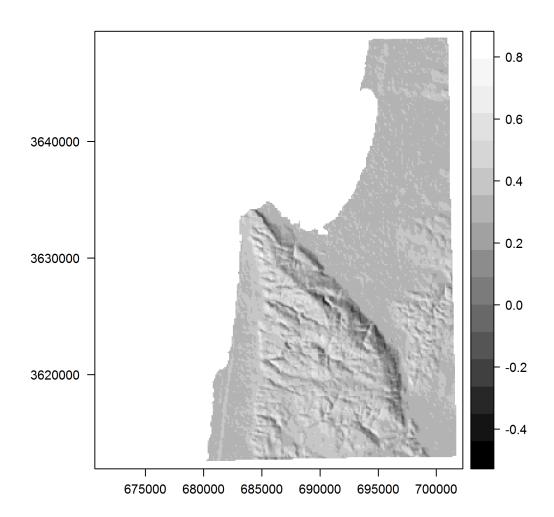
## **Resampled to Landsat**

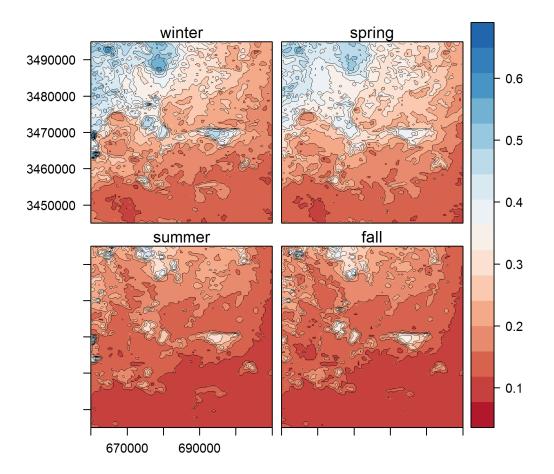


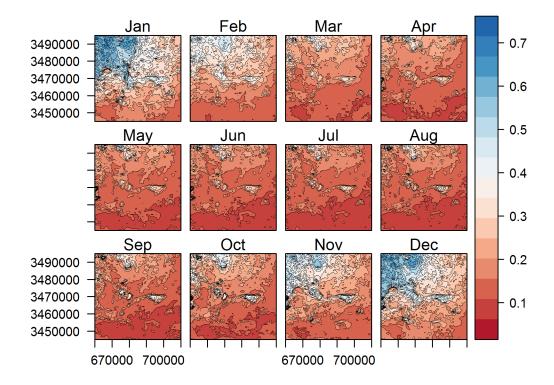




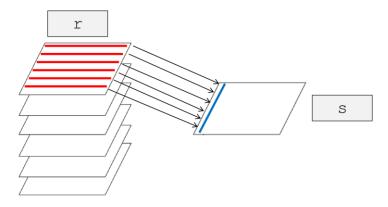




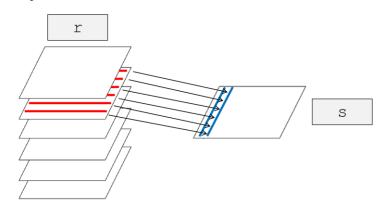




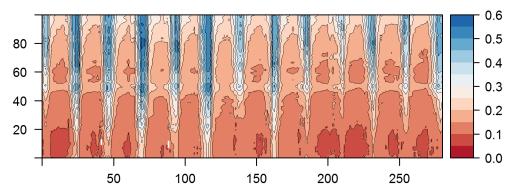
Layer 1



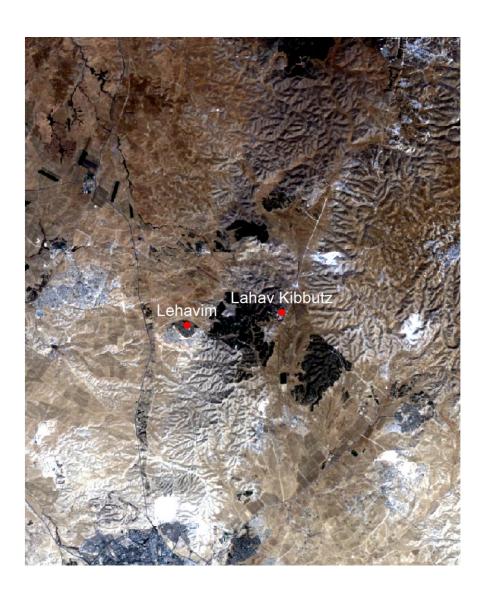
Layer 2

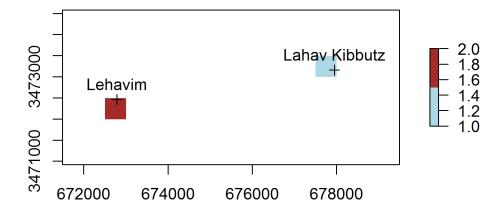


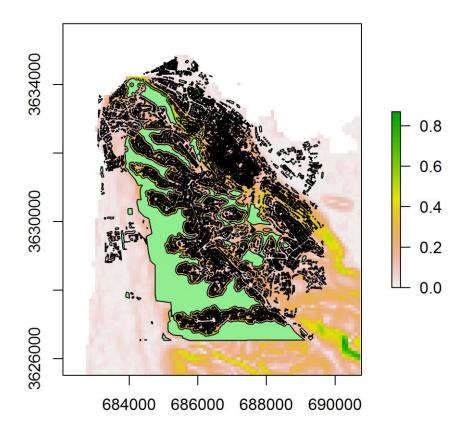
And so on up to layer 280...

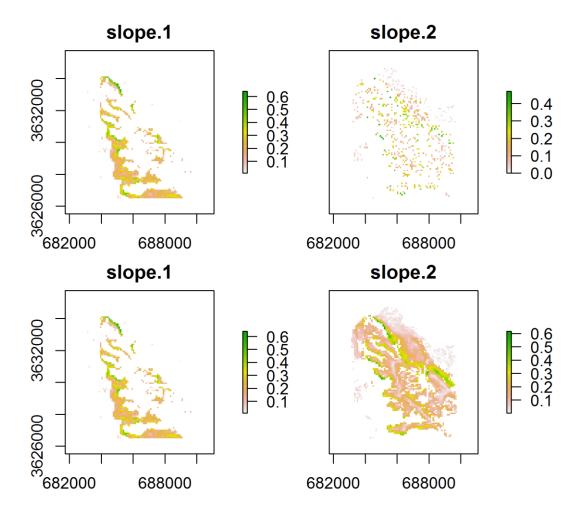


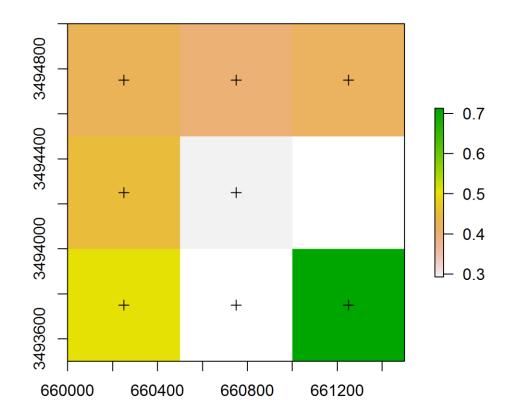
# **Chapter 7: Combining Vector and Raster Datasets**

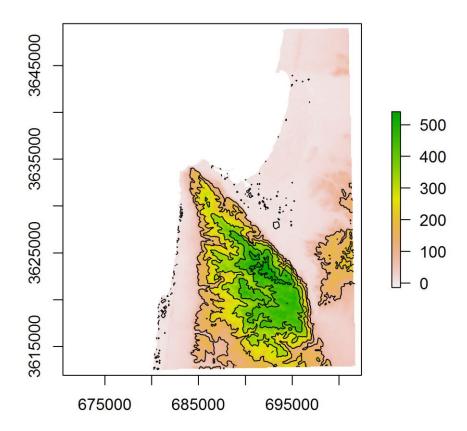


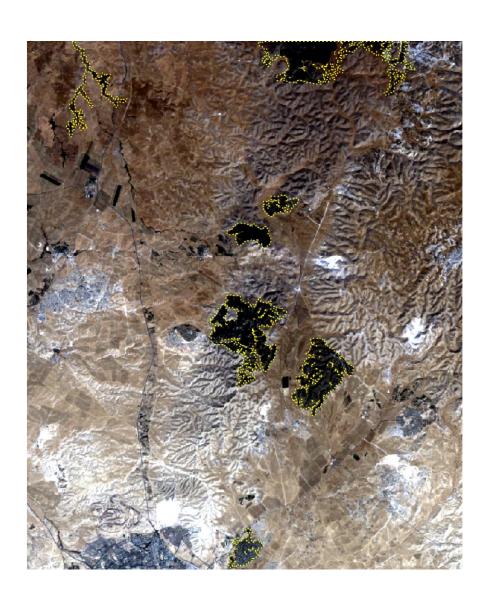


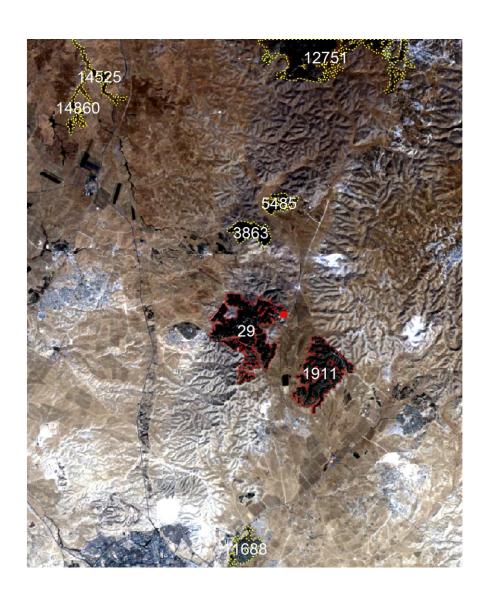


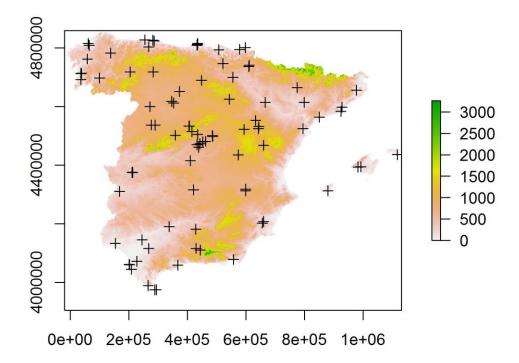


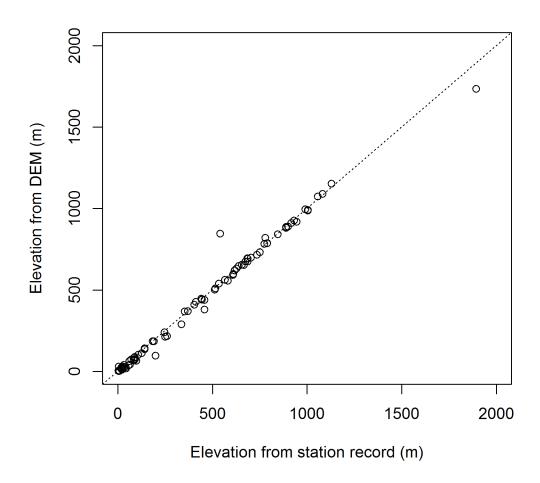




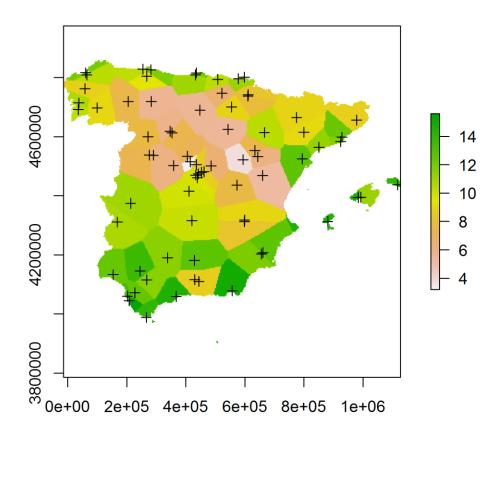


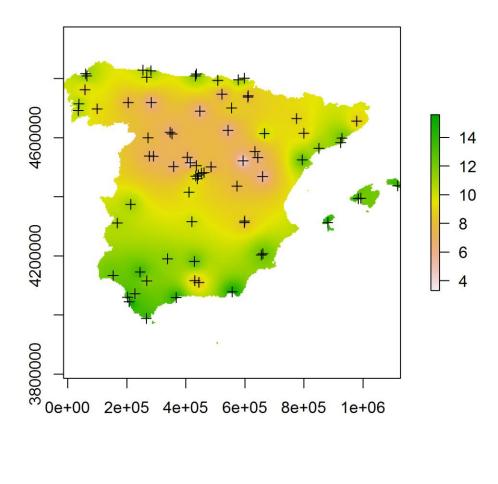


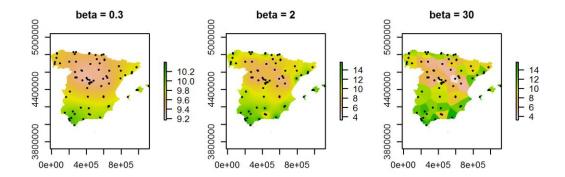


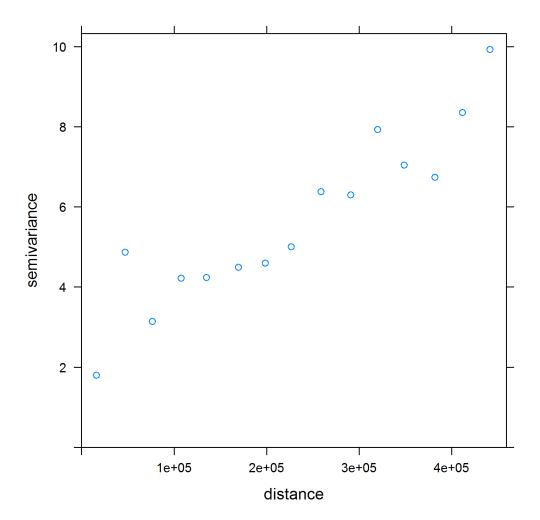


**Chapter 8: Spatial Interpolation of Point Data** 

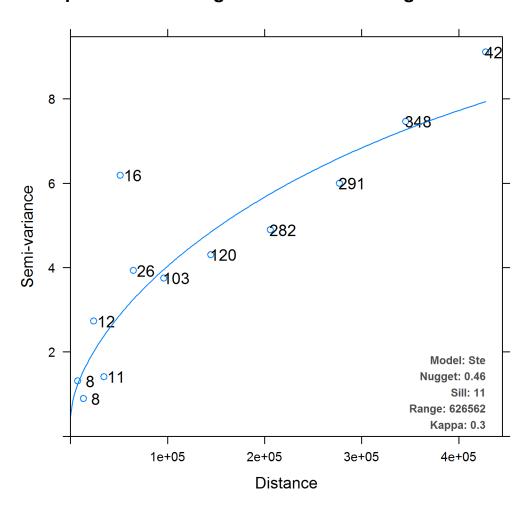


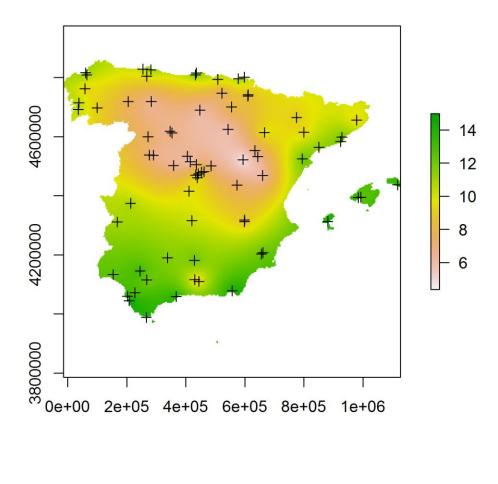


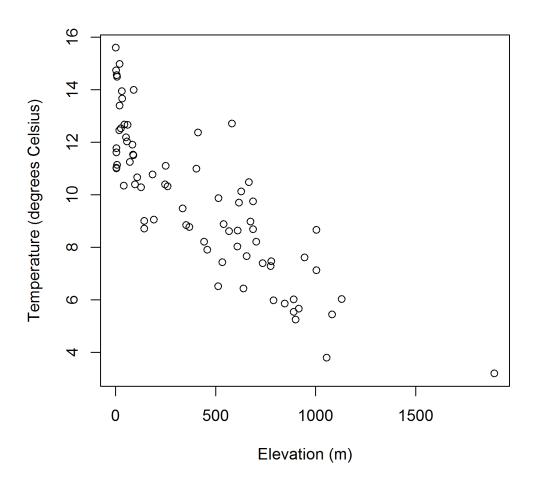


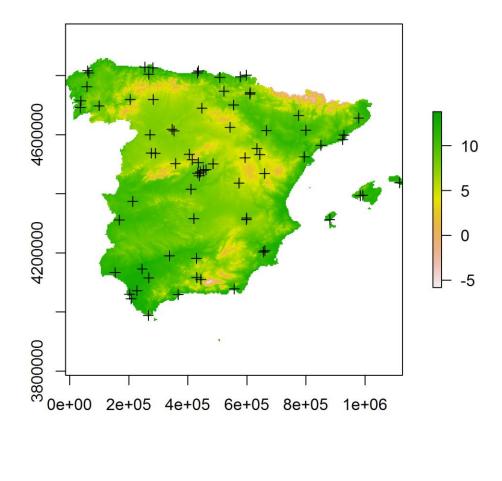


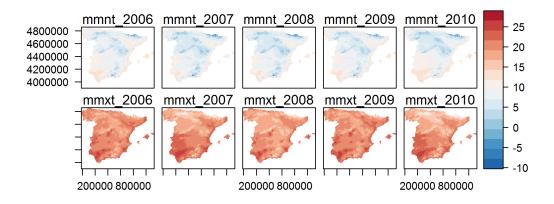
## Experimental variogram and fitted variogram model

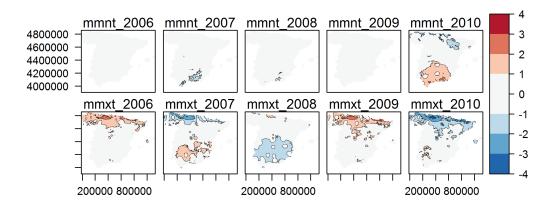












**Chapter 9: Advanced Visualization of Spatial Data** 

