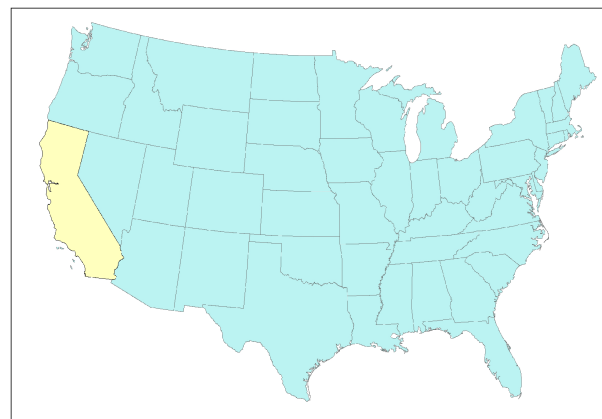
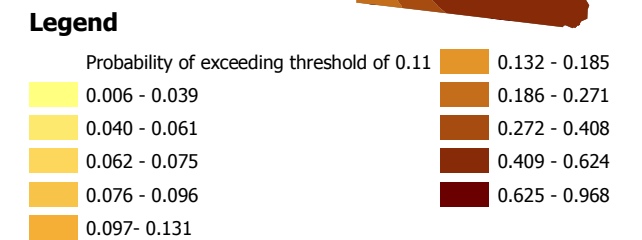
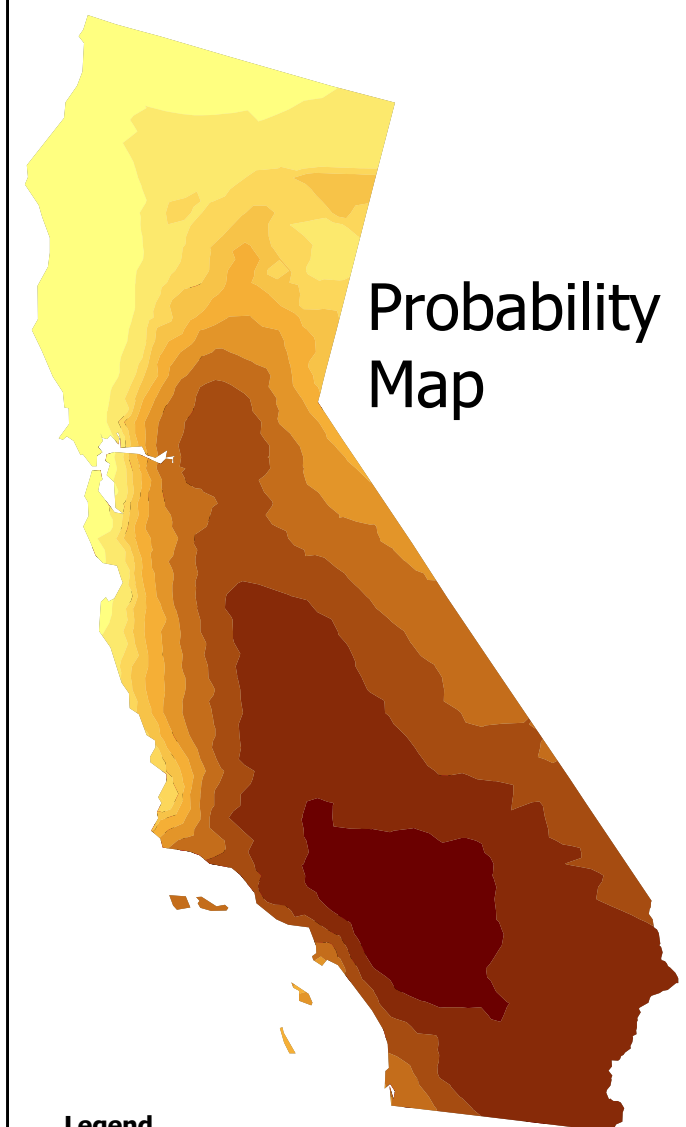
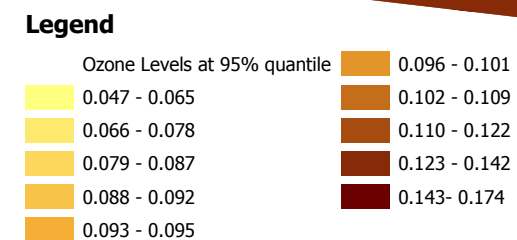
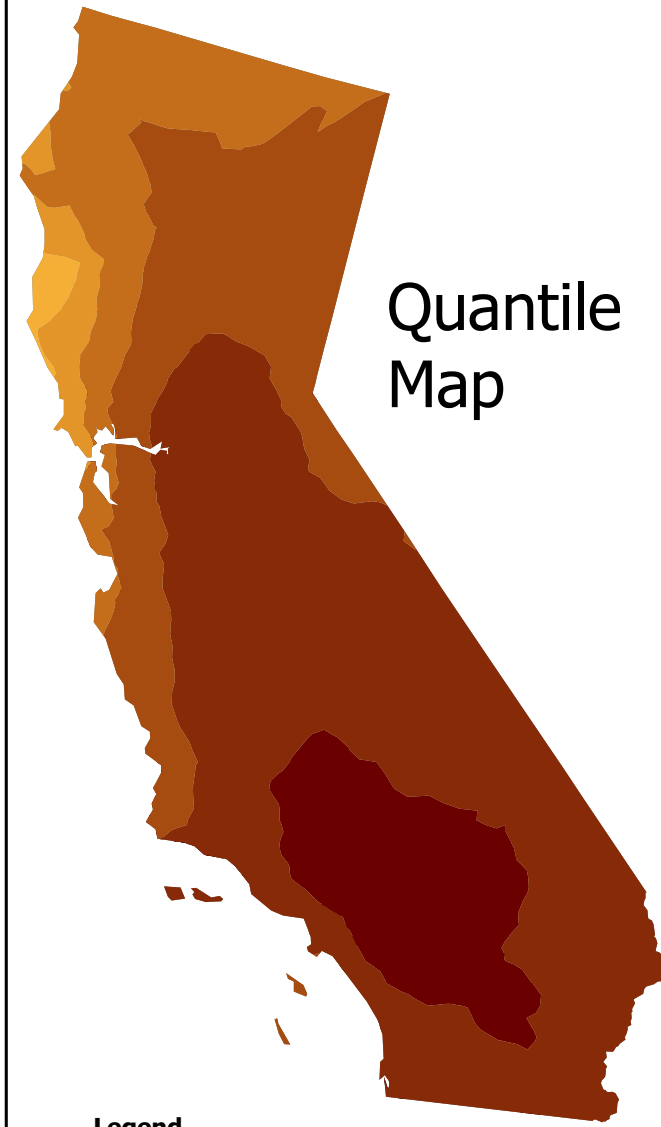
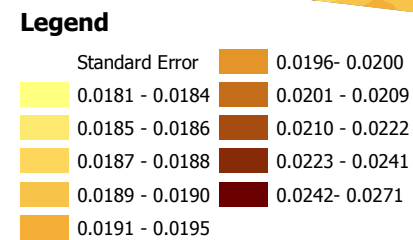
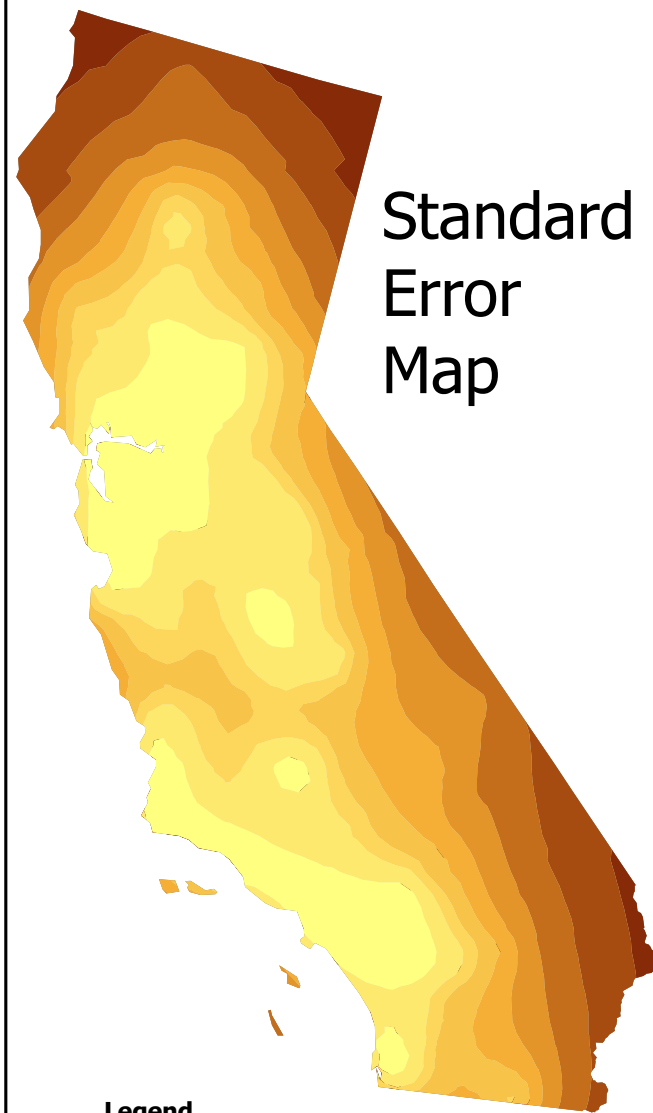
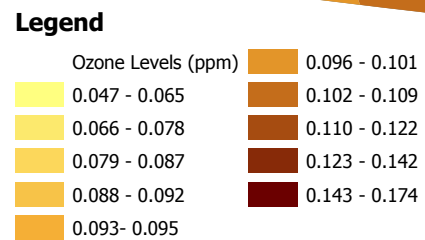
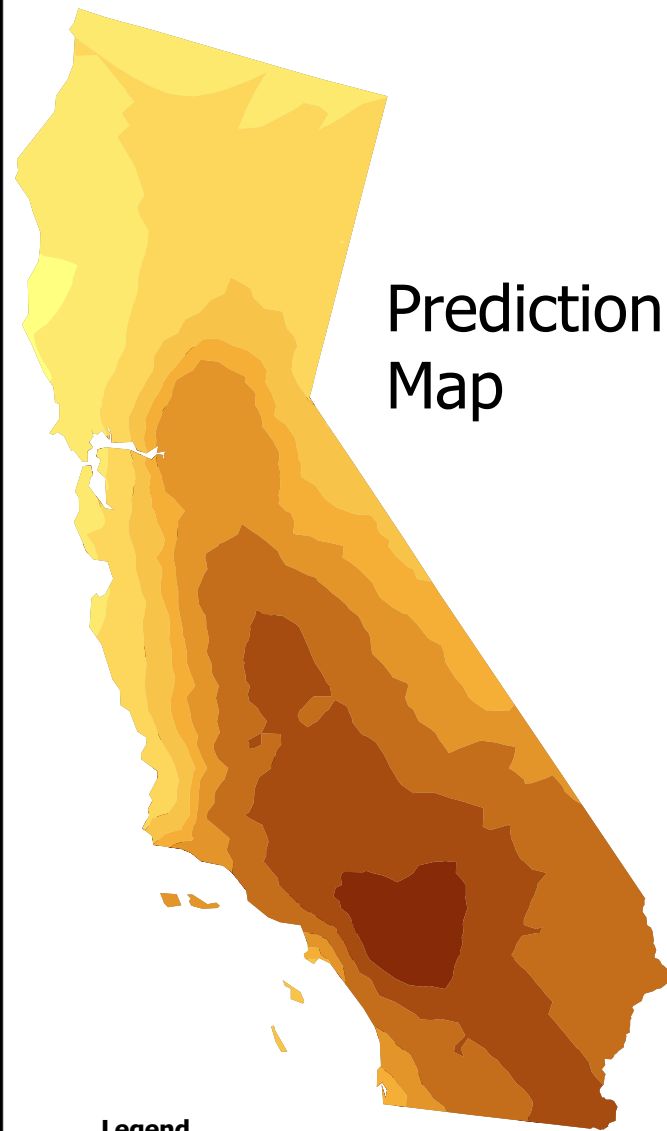


Ozone Levels in the State of California

Using Four Types of Kriging Interpolations to Measure Presumed Error



Cartographer: Alanna Pryke
 Source: ESRI
 Published: January 22, 2010
 Instructor: Nicole Rabe, Assiniboine Community College
 Spatial Statistics, Winter term, 2010

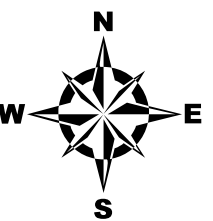
Kriging: A method of interpolation that involves determining a trend and factoring in variability (error).

Prediction Map: A map that uses the values and locations of the ozone test points to predict the ozone levels for locations that have not been measured.

Standard Error Map: A map that measures the uncertainty of a prediction. The closer we are to the actual ozone test points, the lower the standard error will be.

Quantile Map: A map of our range of our high and low estimates for a prediction. The method is based on a normal distribution curve, quantiles representing standard deviation.

Probability Map: A map showing the probability that ozone levels will exceed a given threshold.



1:8,200,000

