

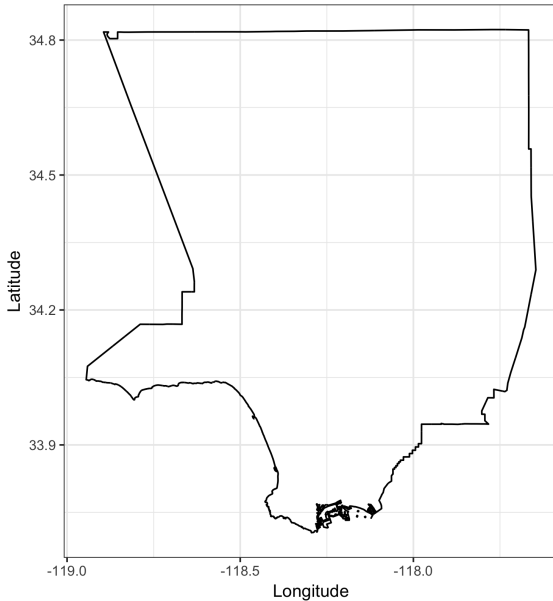
Los Angeles Coutny

Bryan Wilcox

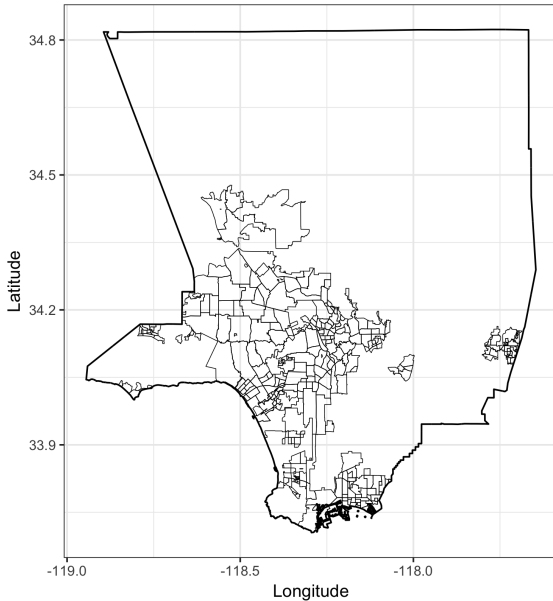
UCLA

March 11, 2017

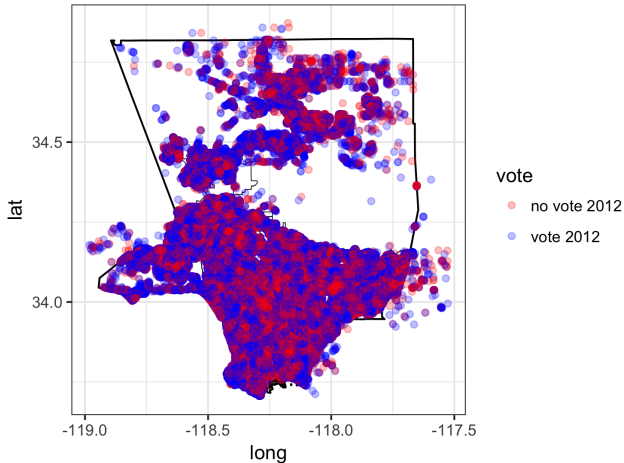
2012 Voter Turnout in Los Angeles County



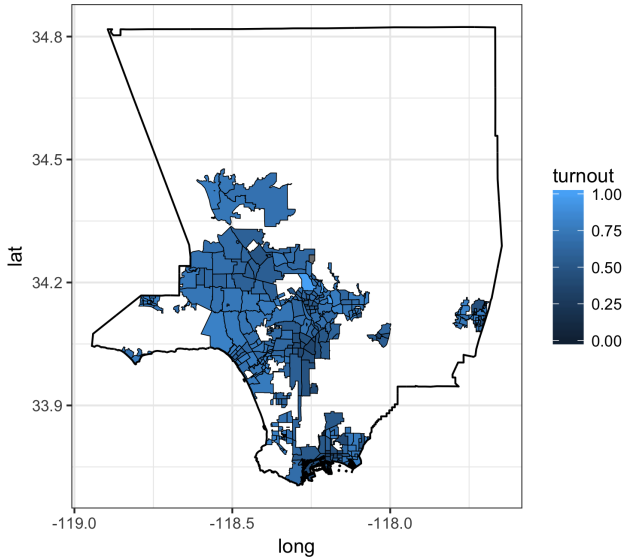
Zillow's neighborhoods in LA County



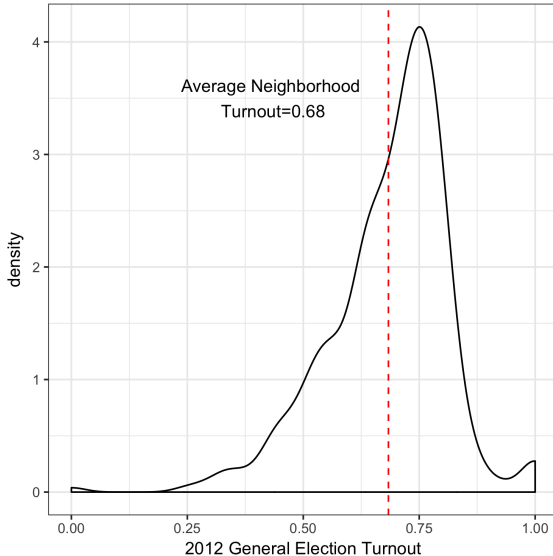
Registered Voters across LA County



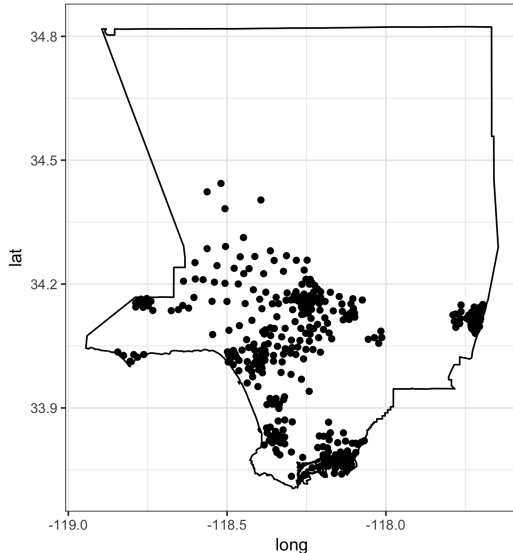
Let's look at neighborhood level turnout



The average turnout is across the neighborhoods is 68%

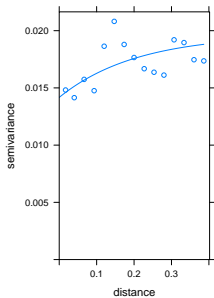


Here are the neighborhood centroids,
which we will use as spatial points

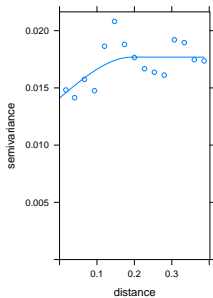


Variograms

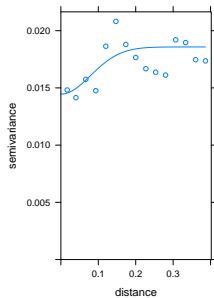
Exponential Variogram



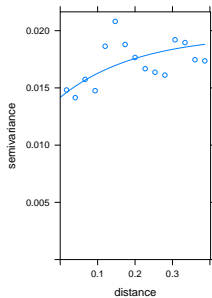
Spherical Variogram



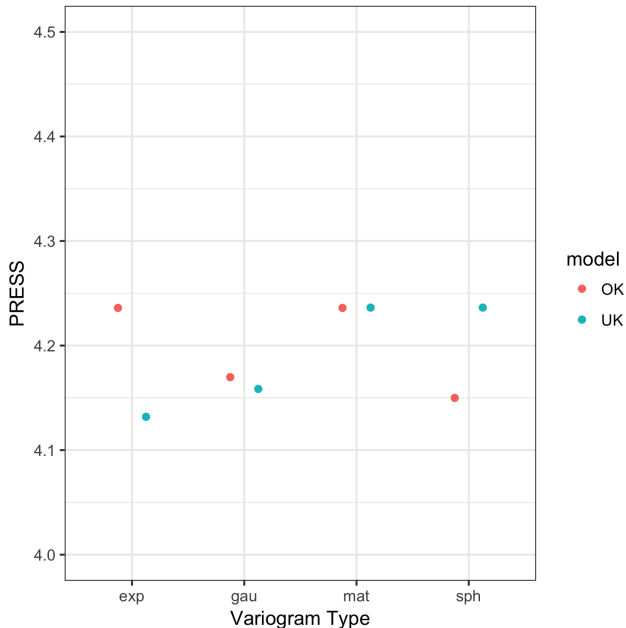
Gaussian Variogram



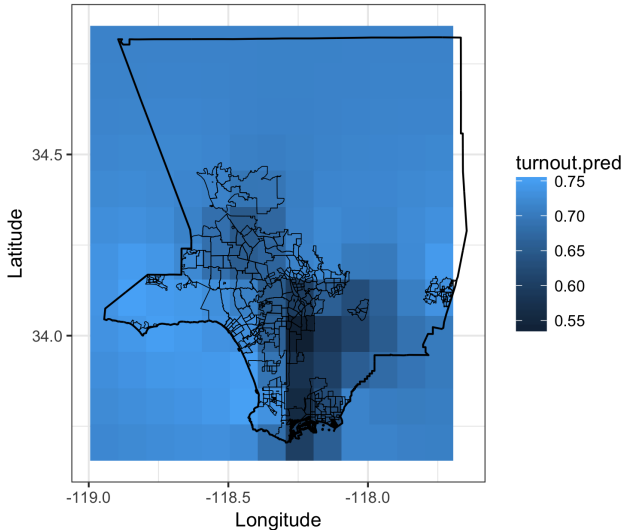
Matern Variogram



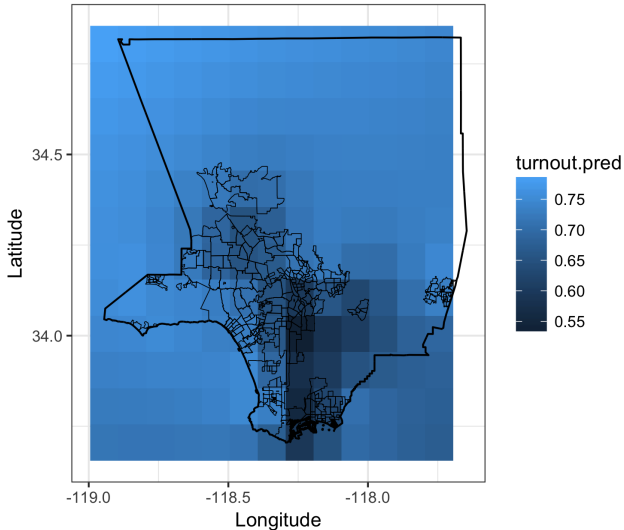
Cross-validation to select variogram



Ordinary Kriging as Prediction



Universal Kriging as Prediction



Next Steps

- Try to obtain precincts instead of neighborhood (maybe zipcodes).

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Question, comments, other thoughts?