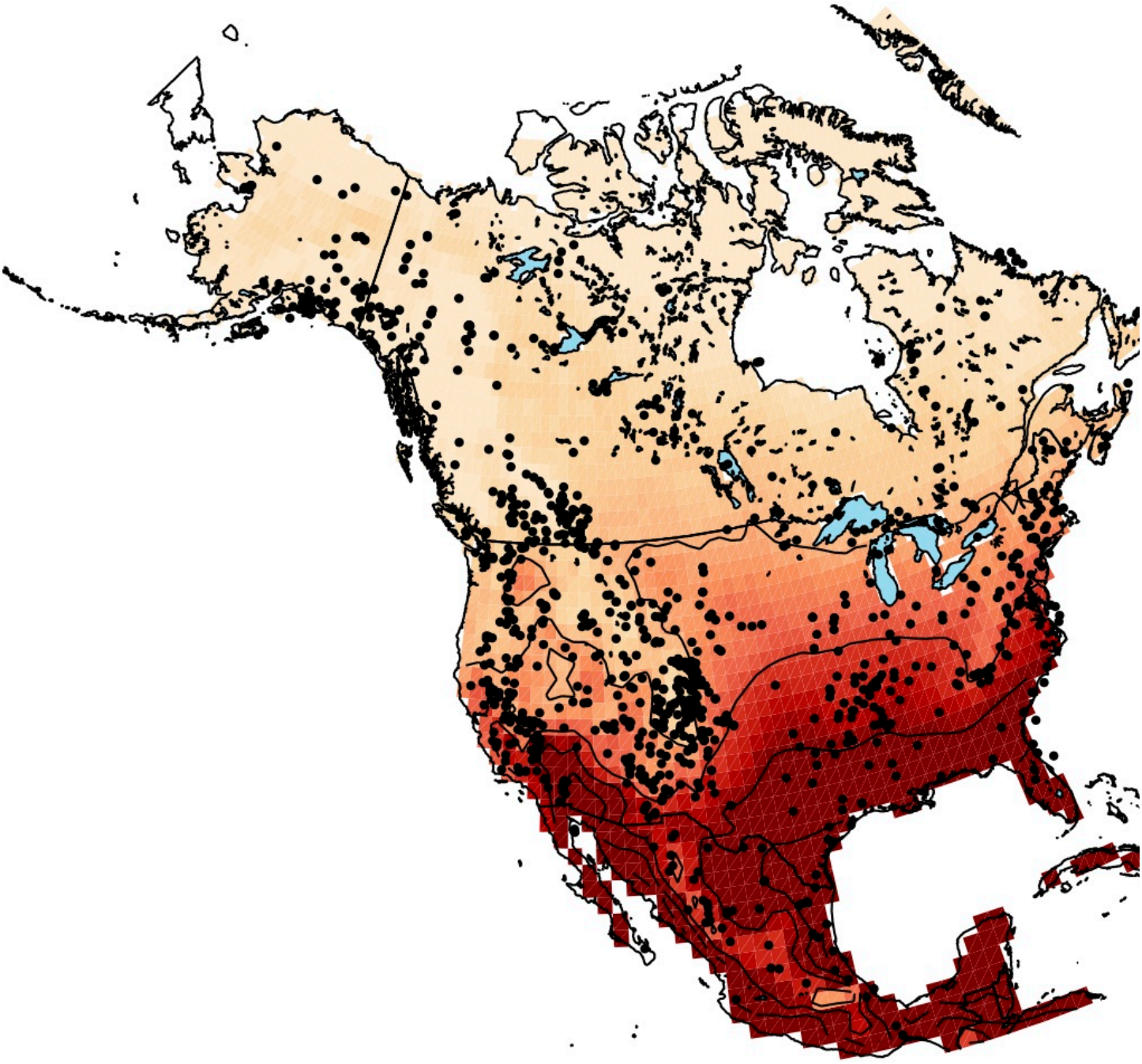

SPATIOTEMPORAL DATA ANALYSIS
GEOG696C Autumn 2016

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Schedule to be determined

Analyzing data in time and space. A new course offered in Autumn 2016 will give graduate students hands-on, practical experience -- including programming -- and knowledge for analyzing spatiotemporal datasets. Topics will include basic matrix algebra, field correlation and regression analysis, autocorrelation and its consequences in time and space, parametric and non-parametric significance testing and error analysis in the presence of autocorrelation and noise, empirical orthogonal functions including rotation, singular spectrum analysis, maximum covariance and multitaper spectral analysis.

The course will include practical instruction and training in MATLAB and using large multi-dimensional datasets