*Environmental Health Perspectives* doi:10.1289/ehp.1306566

# Supplemental Material

# Spatiotemporal Modeling of Ozone Levels in Quebec (Canada): A Comparison of Kriging, Land-Use Regression (LUR), and Combined Bayesian Maximum Entropy–LUR Approaches

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Figure S1A: Temperature VS Ozone

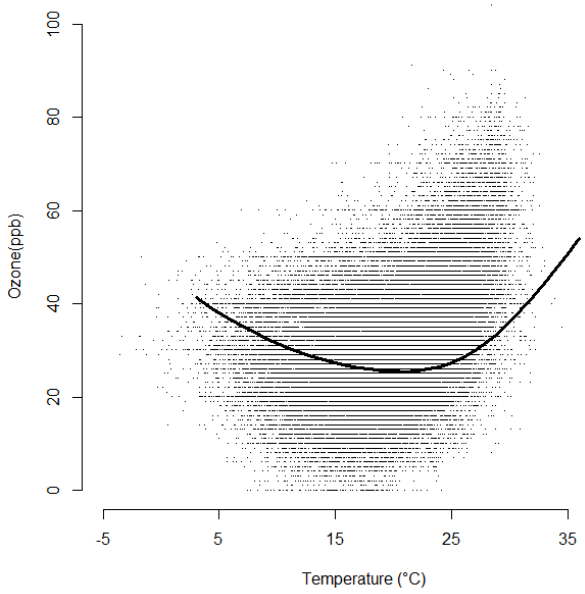


Figure S1B: Precipitation VS Ozone

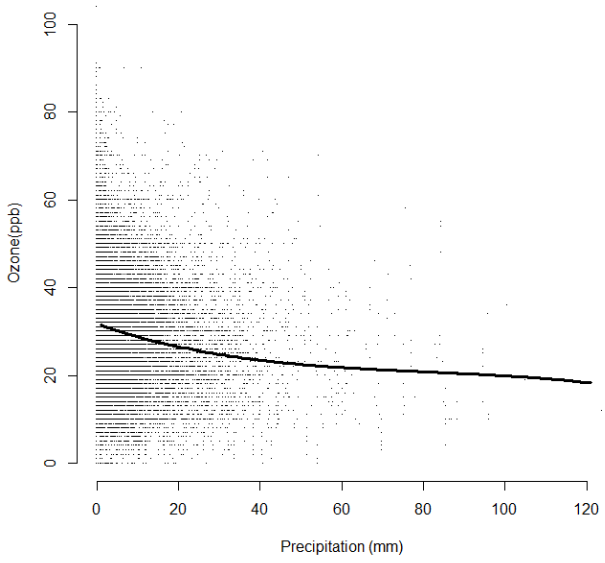

Figure S1C: Day of year VS Ozone

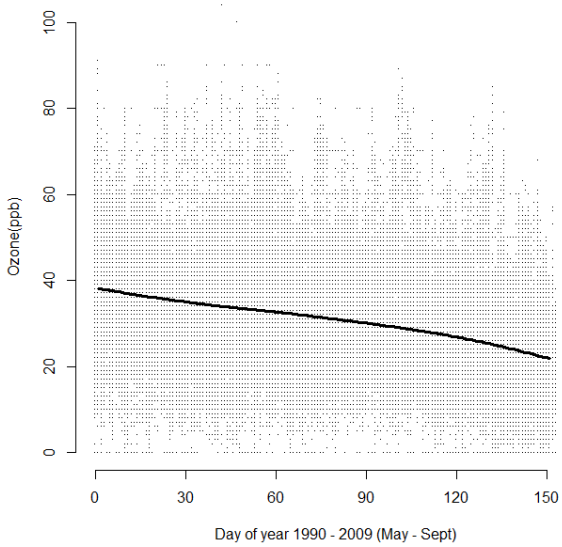


Figure S1D: Year VS Ozone

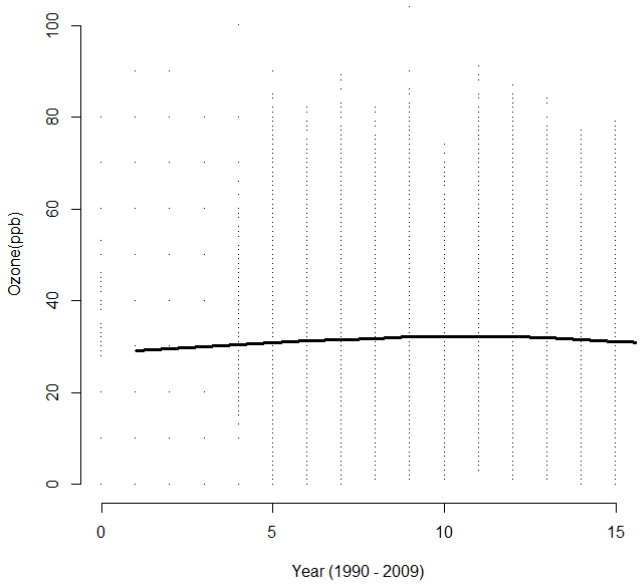

Figure S1E: Road density VS Ozone

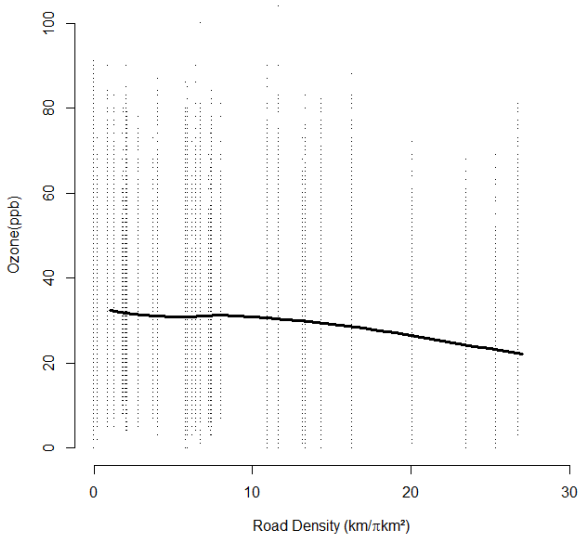


Figure S1F: Latitude VS Ozone

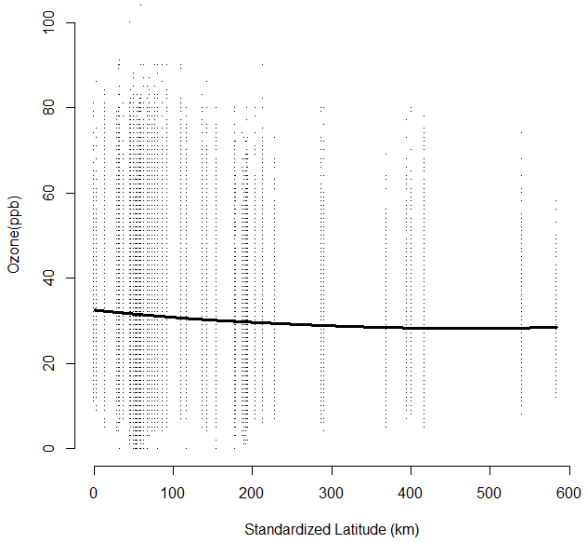


**Figure S1.** LOESS plots for each bivariate relation between predictor variables of the LUR model and ozone levels.

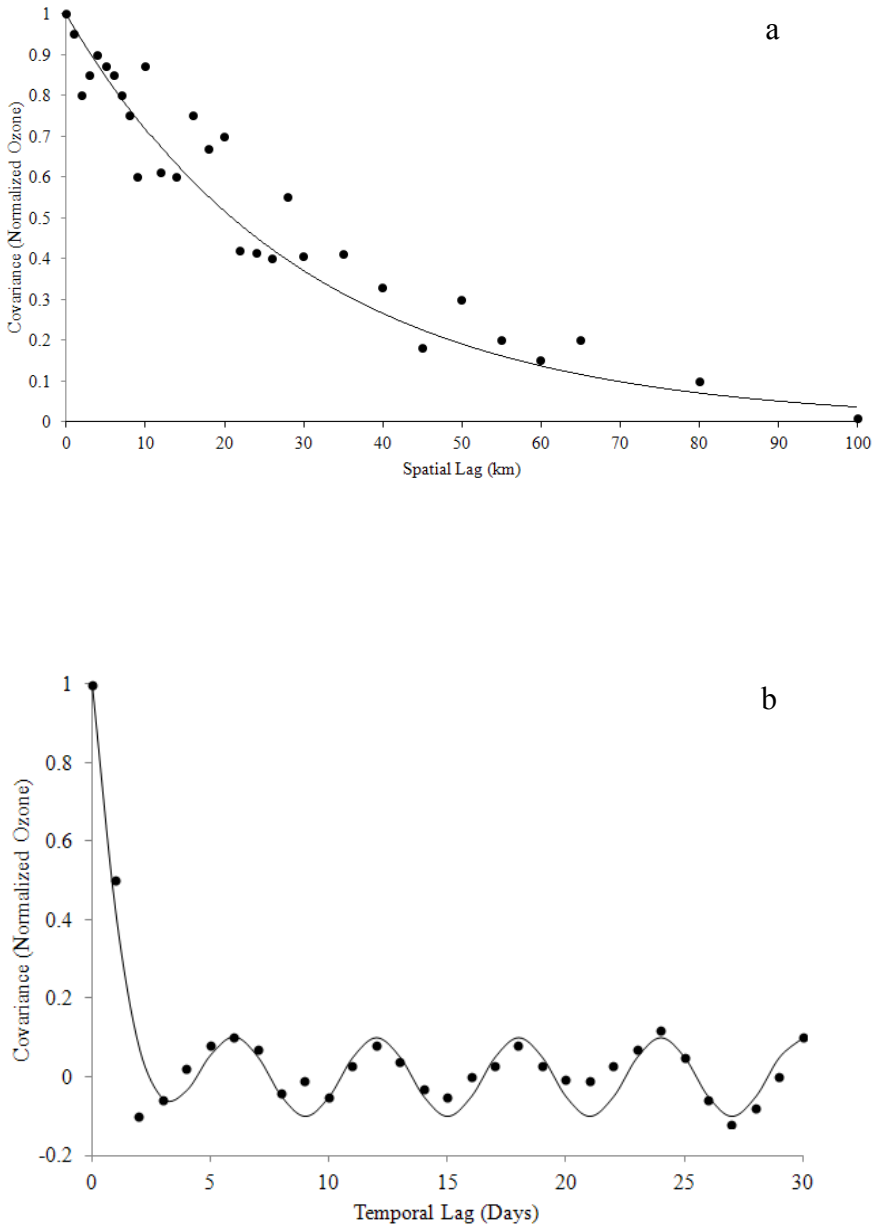


**Figure S2**. Spatial (a; at temporal lag = 0 days) and temporal (b; at spatial lag = 0 km) covariance plots of de-trended normalized ozone data from the BME kriging model used by the BME kriging and BME-LUR models.