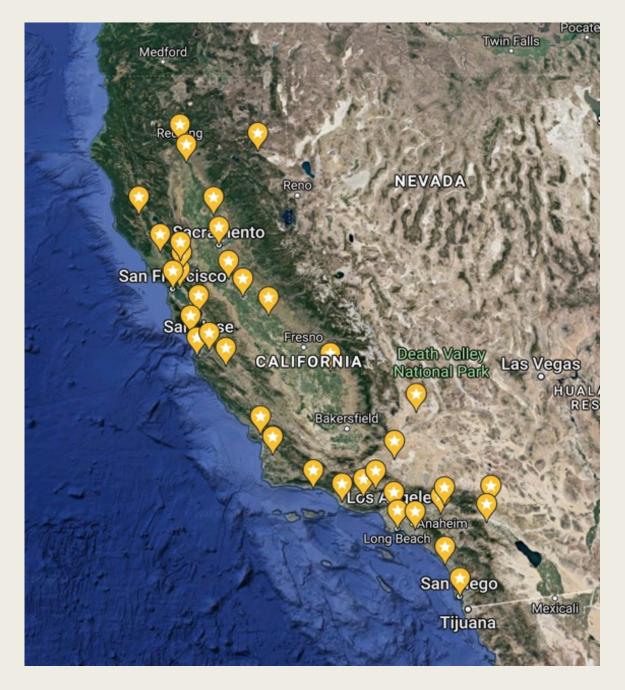
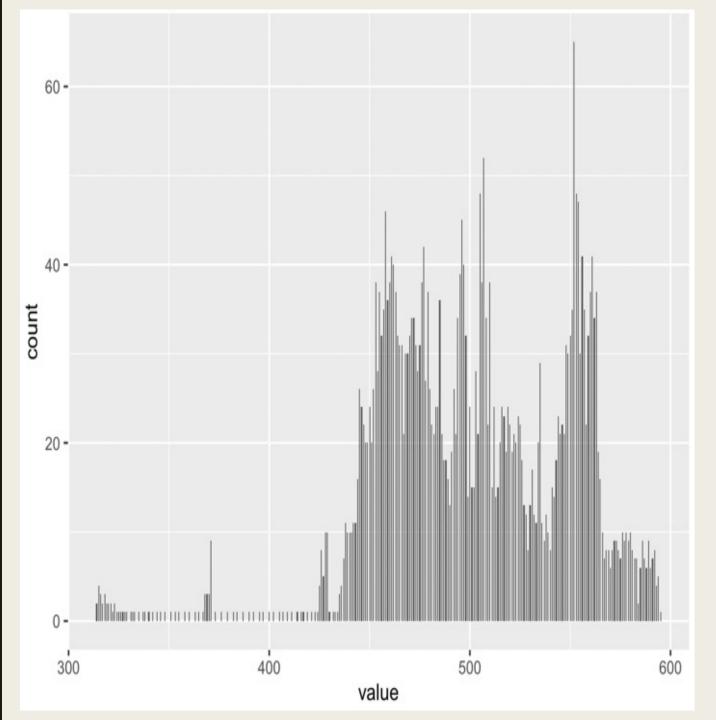
## MODELING TEMPERATURE IN CALIFORNIA

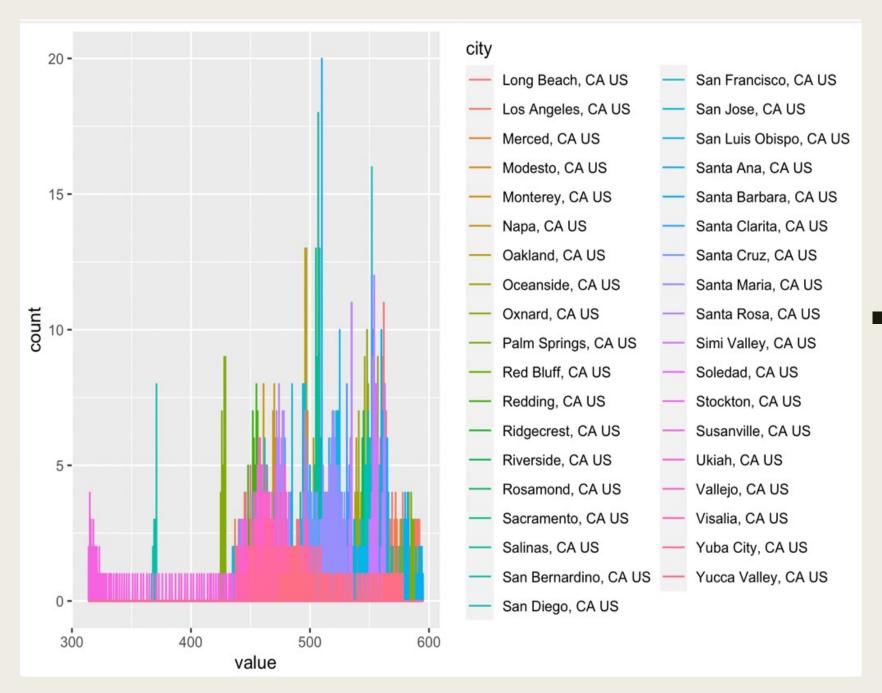
Chloe Warren and Adith Arun



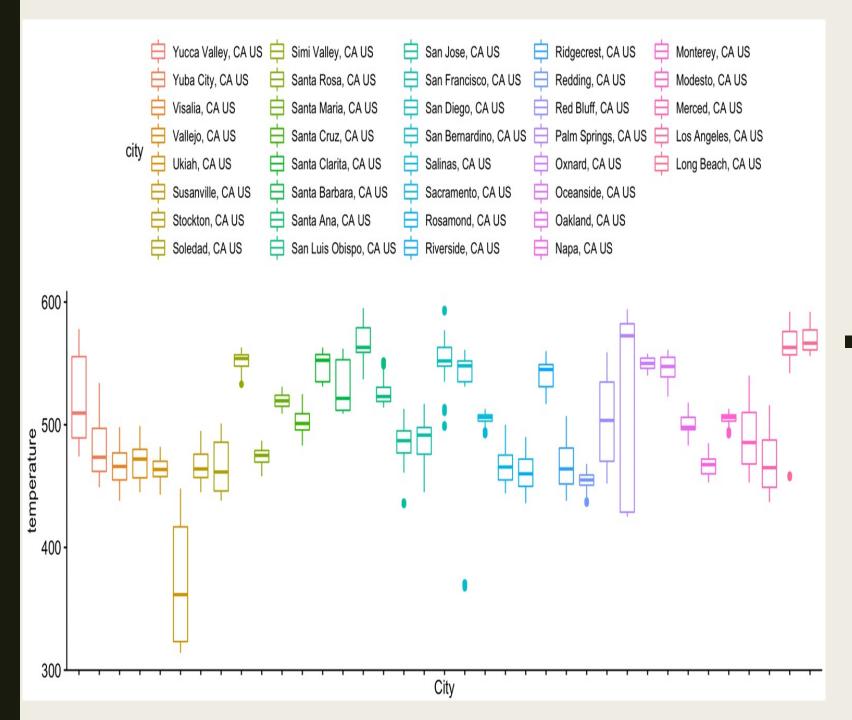
 Publicly available NOAA data through for temperature in 37 California cities from January to March 2010



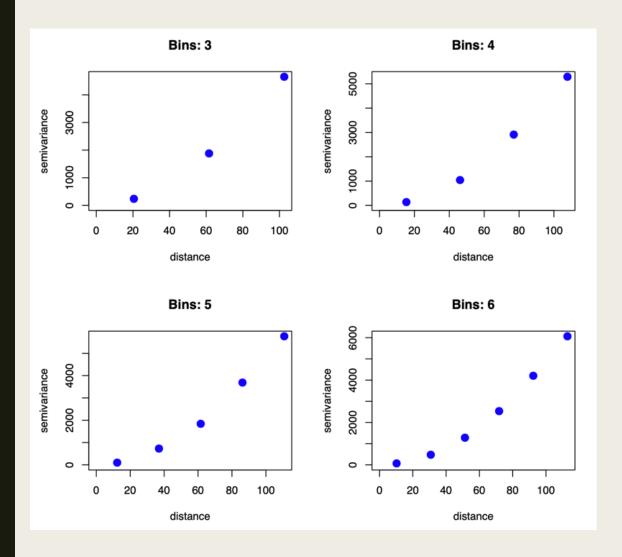
 Histogram of gross temperature values recorded across all cities and months

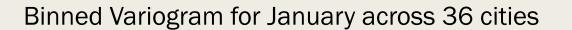


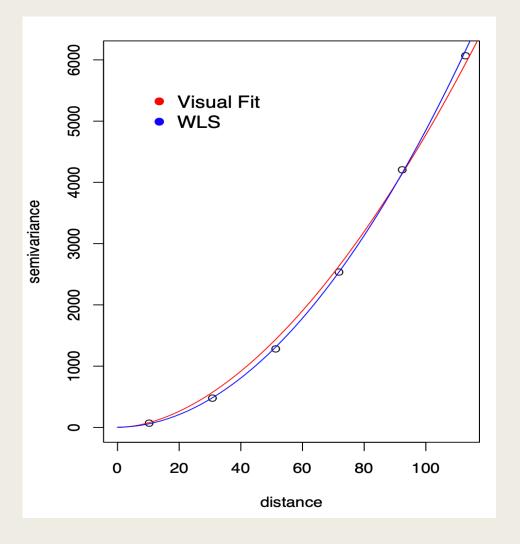
A deeper look at the cityby-city temperature distribution across the three months (January to March)

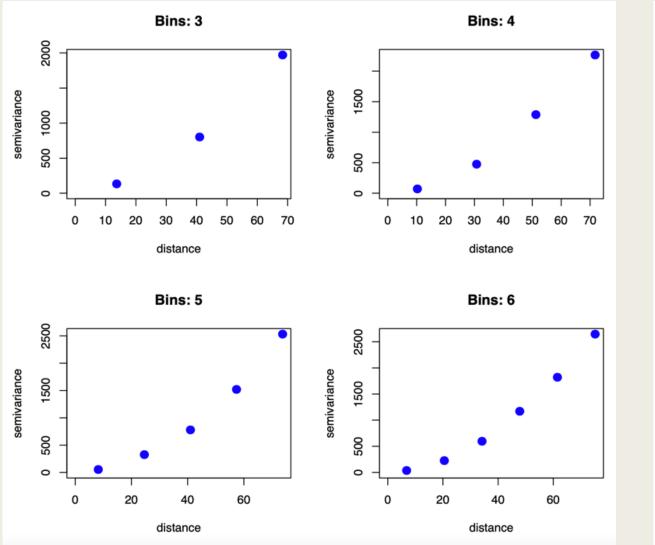


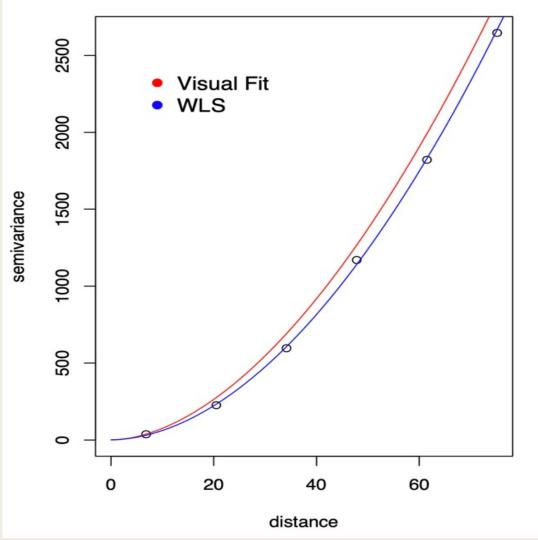
Variability in the temperature within and across cities Greatest Circle Distance (GCD) to transform our coordinates Missing Values! Distance on a sphere! **February** January GCD







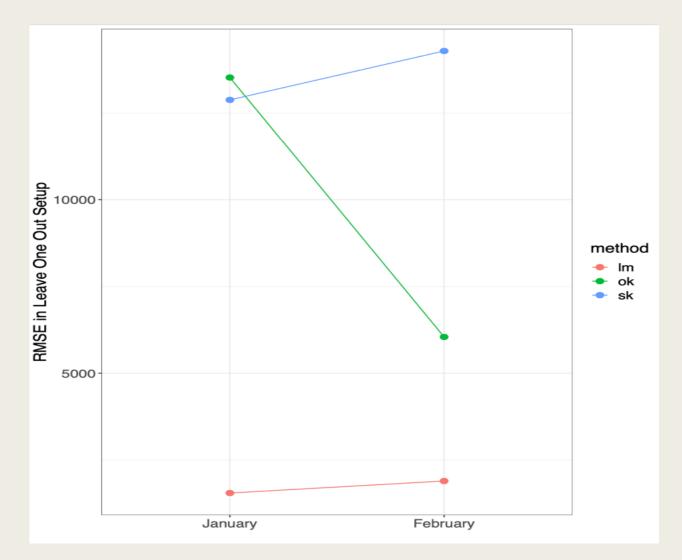




Binned Variogram for February across 17 cities

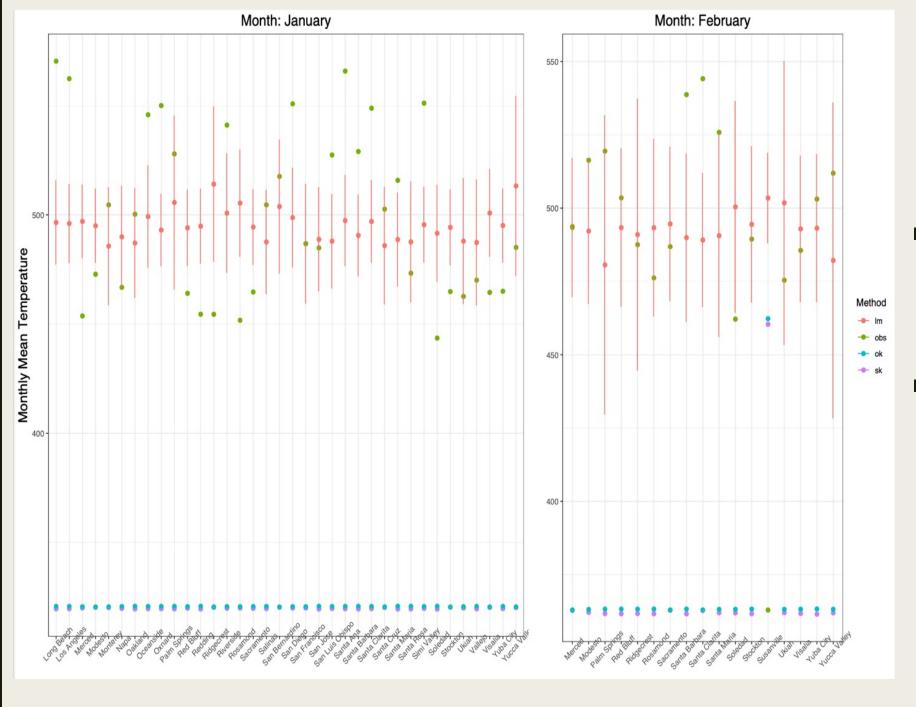


- Cross-Validated
   RMSE to judge our estimation models
- Variogram Model: Power



LM	OK	SK	MONTH
1546.837	13527.123	12883.07	JAN
1892.616	6044.117	14292.68	FEB

- Summary CV RMSE across months and models
- Variogram Model: Power



- Cross-Validated
   RMSE to judge our estimation models
- Variogram Model: Exponential