Supplemental Material

The Influence of Seasonal Climate Variability on Vehicle Exhaust PM2.5 in the State of California: A Hybrid Approach based on Artificial Neural Network and Spatial Analysis

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A screenshot of a cell phone screen with text

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**Figure S1.** Seasonal PM2.5 averages in the state of California for years 2010, 2014, and 2018 calculated by EPA MOVES

A close up of a map

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**Figure S2.** Seasonal AOD averages in the state of California for years 2010, 2014, and 2018 observed by MODIS satellite



**Figure S3.** Seasonal precipitation averages in the state of California for years 2010, 2014, and 2018 measured by CIMIS



**Figure S4.** Seasonal relative humidity averages in the state of California for years 2010, 2014, and 2018 measured by CIMIS



**Figure S5.** Seasonal wind speed magnitude averages in the state of California for years 2010, 2014, and 2018 measured by CIMIS



**Figure S6.** Seasonal temperature averages in the state of California for years 2010, 2014, and 2018 measured by CIMIS