CSE 635 – Spring 2021

January 21, 2021

HW 2

Use the airquality data set to do the following in R

1. Remove all records with NA entries. Find the number of the available records or rows.
2. Plot the dependent variable Ozone as a function of the independent variable Solar.R
3. Evaluate the predictions using the following models for Ozone ~ Solar.R:
   a. Eyeball linear equation
   b. Linear model; lm
   c. Second order polynomial
   d. Generalized linear model; glm
4. In each case present the following: coefficient, summary statistics of the error vector, and SSE. Also include a plot that shows the response of these models.
5. Which model is the best? And why?

   Due Next Class January 28, 2021