**R studio exams**

Students Name

Institution of Affiliation

Professor Name

Course code and Number

Date of Submission

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**Question 12(2 pts)**

What is the value of the Ozone when Month = 9 and Day = 20 in the weather dataset?

*final\_data[final\_data$Month == 9 & final\_data$Day == 20, "Ozone"]*

**=16**

**Question 13(2 pts)**

What is the maximum value of Ozone in the weather dataset? Exclude missing values (coded as NA) from this calculation.

*max(final\_data$Ozone, na.rm = TRUE)*

**=168**

**Question 14(2 pts)**

What is the value of the Wind when Month = 8 and Day = 11 in the weather dataset?

*final\_data[final\_data$Month == 8 & final\_data$Day == 11, "Wind"]*

**=11.5**

**Question 15(2 pts)**

How many variables (i.e. columns) are in the data frame weather?

*ncol(final\_data)*

**=6**

**Question 16 (2 pts)**

What is the median of “Temp” when “Month” is equal to 7?

*median(final\_data$Temp[final\_data$Month == 7])*

**=81**

**Question 17(2 pts)**

What is the mean of “Temp” when “Month” is equal to 8? Round to one decimal place, for example, answer 3.1 for 3.1425

*round(mean(final\_data$Temp[final\_data$Month == 8]), 1)*

**=81.9**

**Question 18(2 pts)**

What is the mean value of the Ozone column when “Month” is equal to 5 in the dataset? Exclude missing values (coded as NA) from this calculation. Round to one decimal place, for example, answer 3.1 for 3.1425.

*round(mean(final\_data$Ozone[final\_data$Month == 5], na.rm = TRUE), 1)*

**=23.6**