coursera

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Computing for Data Analysis

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Programming Assignment 1 Quiz

The **due date** for this quiz is **Wed 9 Jan 2013 8:59 PM PST**.

Question 1

What are the column names of the dataset?

- ⚪ Ozone, Solar.R, Wind
- ⚪ 1, 2, 3, 4, 5, 6
- ⚪ Month, Day, Temp, Wind
- ⚪ Ozone, Solar.R, Wind, Temp, Month, Day

Question 2

Extract the first 2 rows of the data frame and print them to the console. What does the output look like?

⚪
```
  Ozone Solar.R Wind Temp Month Day
1     7      NA  6.9   74     5  11
2    35     274 10.3   82     7  17
```

⚪
```
  Ozone Solar.R Wind Temp Month Day
1     9      24 10.9   71     9  14
2    18     131  8.0   76     9  29
```

⚪
```
  Ozone Solar.R Wind Temp Month Day
1    41     190  7.4   67     5   1
2    36     118  8.0   72     5   2
```

⚪
```
  Ozone Solar.R Wind Temp Month Day
1    18     224 13.8   67     9  17
2    NA     258  9.7   81     7  22
```
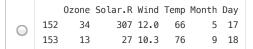
Question 3

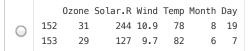How many observations (i.e. rows) are in this data frame?

- ⚪ 129
- ⚪ 153
- ⚪ 45
- ⚪ 160

Question 4

Extract the *last* 2 rows of the data frame and print them to the console. What does the output look like?

○
```
    Ozone Solar.R Wind Temp Month Day
152    34     307 12.0   66     5  17
153    13      27 10.3   76     9  18
```

○
```
    Ozone Solar.R Wind Temp Month Day
152    18     131  8.0   76     9  29
153    20     223 11.5   68     9  30
```

○
```
    Ozone Solar.R Wind Temp Month Day
152    31     244 10.9   78     8  19
153    29     127  9.7   82     6   7
```

○
```
    Ozone Solar.R Wind Temp Month Day
152    11      44  9.7   62     5  20
153   108     223  8.0   85     7  25
```

Question 5

What is the value of Ozone in the 47th row?

○ 18

○ 34

○ 21

○ 63

Question 6

How many missing values are in the Ozone column of this data frame?

○ 43

○ 37

○ 9

○ 78

Question 7

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

○ 42.1

○ 53.2

○ 31.5

○ 18.0

Question 8

Extract the subset of rows of the data frame where Ozone values are above 31 and Temp values are above 90. What is the mean of Solar.R in this subset?

○ 334.0

○ 185.9

○ 205.0

○ 212.8

Question 9

What is the data type of the "Month" column in the dataset?

○ factor

○ numeric

○ character

○ integer

Question 10

What is the mean of "Temp" when "Month" is equal to 6?

○ 85.6

○ 90.2

○ 75.3

○ 79.1

☐ In accordance with the Honor Code, I certify that my answers here are my own work.

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