Answer Sheet for Assignment: Introduction to working with R/RStudio

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Answer the questions below based on your script output*

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| Question | | Answer |
| 1 | How many total flights (including cancelled flights) came out of Philadelphia (PHL) during January 2014? |  |
| 2 | What was the average departure delay across all flights during January 2014? |  |
| 3 | What was the average departure delay for Philadelphia (PHL) during January 2014? |  |
| 4 | What was the longest departure delay for Los Angeles (LAX) during January 2014? |  |
| 5 | On average, which city experienced greater departure delays: Philadelphia (PHL) or Pittsburgh (PIT)? |  |
| 6 | For question #5, was this difference statistically significant? What is the p-value? (answer both questions in the blank to the right) |  |
| 7 | Which airline(s) had longest average flight distance? (you can list more than one if it’s a tie) |  |
| 8 | Which airline (s) had shortest average flight distance?  (you can list more than one if it’s a tie) |  |
| 9 | On average, which city experienced greater taxi out times: Chicago (ORD) or Los Angeles (LAX)? |  |
| 10 | For question #9, was this difference statistically significant? What is the p-value? (answer both questions in the blank to the right) |  |
| 11 | Looking at the histogram. Is the distribution symmetric? Are most flights delayed less than 30 minutes or more than 30 minutes? |  |