Answer Sheet for Assignment: Getting Familiar with R/RStudio

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

*Answer the questions below based on your script output*

|  |  |  |
| --- | --- | --- |
| Question | | Answer |
| 1 | How many total flights (including cancelled flights) came out of the Philadelphia airport (PHL) during January 2014? |  |
| 2 | What was the average departure delay for the Pittsburgh airport (PIT) during January 2014? |  |
| 3 | What was the longest departure delay for La Guardia airport (LGA) during January 2014? |  |
| 4 | On average, which airport experienced greater departure delays: Philadelphia’s airport (PHL) or Los Angeles’ airport (LAX)? |  |
| 5 | For question #4, was this difference statistically significant? What is the p-value? (answer both questions in the blank to the right) |  |
| 6 | Which airport(s) had the highest cancelled flight percentage? (you can list more than one if it’s a tie) |  |
| 7 | Which airport(s) had the lowest cancelled fight percentage?  (you can list more than one if it’s a tie) |  |
| 8 | Which airline(s) had the highest cancelled flight percentage?  (you can list more than one if it’s a tie) |  |
| 9 | Which airline(s) had the lowest cancelled fight percentage?  (you can list more than one if it’s a tie) |  |
| 10 | On average, which airport experienced greater taxi out times: Chicago’s airport (ORD) or Phoenix’ airport (PHX)? |  |
| 11 | For question #10, was this difference statistically significant? What is the p-value? (answer both questions in the blank to the right) |  |
| 12 | Looking at the histogram, are most flights delayed less than 30 minutes or more than 30 minutes? |  |