

Stat. 650 Quiz preparation

Prof. Eric A. Suess

Wednesday September 23, 2020

Instructions: This is an open book, open notes, and open Google/internet quiz. This is a closed phone and closed neighbor quiz. You cannot talk with your neighbor during the quiz. You cannot pass papers between you and your neighbor during the quiz. You may use a calculator.

Type your answers to the questions into an R Notebook. Answer the questions in order. Answer each the question that is asked above your R code chunks. Remove all of the R Notebook template before you begin.

Your Notebook should have the following in the code at the top of your .Rmd file.

```
title: "Statistics 650 - Quiz 1"
author: "Your name, firstname lastname"
date: "Wednesday September 23, 2020"
```

Your files should have a name in the usual form for the class **lastname_firstname_Stat650_quiz1.Rmd** and **lastname_firstname_Stat650_quiz1.docx**. Submit **both** files in Blackboard before the end of class.

Academic Honesty: As a student at CSU East Bay you are held to the standards stated in the Academic Dishonesty Policy. Copying another student's work or allowing another student to copy your work is academically dishonest. I expect you to be academically honest while taking the quiz.

These question is related to the homework Exercises 4.2 – 4.5.

For the flights dataset answer the following questions:

1. What proportion of flights are on time?
2. Which airline has the best on-time performance? Merge the flights and airline tables so the name of the airline is visible.
3. Which airline has the worst on-time performance?
4. What proportion of flights are between 10 and 20 minutes late?
5. What proportion of flights are 30 to 60 minutes late?