DS 413/613 Classwork/Lab data.table

Instructions: Generate and email an Rmarkdown file and a Word file that shows all required code and output.

library(tidyverse library(dplyr) library(data.table)

1) Use and show data.table code to select the variables **year**, **month, day**, and **hour** from the imported flights data

2) Use and show data. table code to produce a table that shows a **carrier** of *DL*, an **origin** of *JFK* and a destination of *SEA*

3) Use and show data.table code to produce a table that shows a **carrier** of *UA*, a **month** of March, and an **airtime** that is below 330.

4) Use and show tidyverse code to produce a table that shows a **carrier** of *UA*, a **month** of March, and an **airtime** that is below 330.

5) Use the data.table method to add a variable called **speed** that is the average air speed of the plane in miles per hour.

6) Use the tidyverse method to add a variable called **speed** that is the average air speed of the plane in miles per hour.

7)

Show and use coding to change the **carrier** abbreviation of *UA* to *UniitedAir,*

7a) data.table method

7b tidyverse method (Use a sequence of dplyr commands so that you can see the change in your table)