

data.table Homework

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```
library(tidyverse)
library(data.table)
```

```
flights1 <- fread("nycddata.csv")
flights2 <- read_csv("nycddata.csv")
```

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

```
flights1[, c("year", "month", "day", "hour")]
```

	year	month	day	hour
1:	2014	1	1	9
2:	2014	1	1	11
3:	2014	1	1	19
4:	2014	1	1	7
5:	2014	1	1	13

253312:	2014	10	31	14
253313:	2014	10	31	8
253314:	2014	10	31	11
253315:	2014	10	31	11
253316:	2014	10	31	8

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

```
# R code here
```

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.

```
# R code here
```

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.

```
# R code here
```

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.

```
# R code here
```

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

```
# R code here
```

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

7a: data.table method

```
# R code here
```

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

```
# R code here
```