

# Homework 4

Name: Put your name here

I worked with:

Click the “Knit” button in RStudio to knit this file to a pdf.

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## Problem 1: flights

a.

*answer:* write your answer here

```
# put your code here
```

b.

*answer:* write your answer here

```
# put your code here
```

c.

*answer:* write your answer here

```
# put your code here
```

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## Problem 2: Energy

```
energy <- readr::read_csv("https://raw.githubusercontent.com/deepbas/statdatasets/main/energy.csv",
  col_type = cols(
    .default = col_double(),
    Timestamp = col_datetime(format = ""),
    dayWeek = col_factor(levels=c("Mon", "Tues", "Wed", "Thurs", "Fri", "Sat", "Sun"))
  ))
dim(energy)
## [1] 35129    90
```

a.

*answer:* write your answer here

```
# put your code here
```

b.

*answer:* write your answer here

```
# put your code here
```

c.

*answer:* write your answer here

```
# put your code here
```

d.

*answer:* write your answer here

```
# put your code here
```

e.

*answer:* write your answer here

```
# put your code here
```

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### Problem 3: UN votes

```
unvotes <- readr::read_csv('https://raw.githubusercontent.com/rfordatascience/tidytuesday/master/data/2020/01/data/2020-01-01/unvotes.csv')
roll_calls <- readr::read_csv('https://raw.githubusercontent.com/rfordatascience/tidytuesday/master/data/2020/01/data/2020-01-01/roll_calls.csv')
issues <- readr::read_csv('https://raw.githubusercontent.com/rfordatascience/tidytuesday/master/data/2020/01/data/2020-01-01/issues.csv')
```

```
# Merge data frames
merged_data <- unvotes %>%
  left_join(roll_calls, by = "rcid", multiple = "all") %>%
  left_join(issues, by = "rcid", multiple = "all") %>%
  tidyr::drop_na(country, country_code, vote, issue, date) %>%
  mutate(vote = factor(vote))
```

a.

*answer:* write your answer here

```
# put your code here
```

b.

*answer:* write your answer here

```
# put your code here
```

c.

*answer:* write your answer here

```
# put your code here
```

d.

*answer:* write your answer here

```
# put your code here
```

**e.**

*answer:* write your answer here

```
# put your code here
```