

Exer 2.2

[Computation/data/data102]

Using the table operator and the comparison operators (such as $>$ or $==$), answer the following questions about the CO2 data. You can read in the CO2 data with the statement

```
> data(CO2)
```

You can see the data set itself by giving the command

```
> CO2
```

In this exercise, you will use R commands to count how many of the cases satisfy various criteria:

1. How many of the plants in CO2 are Mc1 for Plant?

7 12 14 21 28 34 [Exer 2.2-1](#)

2. How many of the plants in CO2 are either Mc1 or Mn1?

8 12 14 16 23 54 92 [Exer 2.2-2](#)

3. How many are Quebec for Type and nonchilled for Treatment?

8 12 14 16 21 23 54 92 [Exer 2.2-3](#)

4. How many have a concentration (conc) of 300 or bigger?

12 24 36 48 60 [Exer 2.2-4](#)

5. How many have a concentration between 300 and 450 (inclusive)?

12 24 36 48 60 [Exer 2.2-5](#)

6. How many have a concentration between 300 and 450 (inclusive) and are non-chilled?

6 8 10 12 14 16 [Exer 2.2-6](#)

7. How many have an uptake that is less than 1/10 of the concentration (in the units reported)?

17 33 34 51 68 [Exer 2.2-7](#)