

# dates-lubridate

## 1. Dealing with Dates

1. Before importing from Excel it is probably a good idea to custom-format in Excel the dates as yyyy-mm-dd (e.g. 2021-05-12). It will make things consistent and easier.
2. Use `library(rio)` and `import` - it will ensure that the date format is kept.
3. `library(lubridate)` is part of `tidyverse`.
4. Use ``tibble`` to check if Dates are recognized correctly before filtering

```
library(tidyverse)
library(rio)

df <- import("../assets/Vaccines.csv")
tibble(df)
```

```
# A tibble: 10 x 3
  Date       OneDose TwoDose
  <IDate>     <int>   <int>
1 2021-01-11     3400       0
2 2021-01-12     6200       0
3 2021-01-22    60000       0
4 2021-01-27   113000      50
5 2021-01-31   155000      50
6 2021-02-02   175000     6000
7 2021-02-10   250000     6000
8 2021-02-18   250000    110000
9 2021-03-01   317715    207324
10 2021-03-04   350000    215000
```

## 2. Filtering rows based on Date

```
filter(df, Date>="2021-02-02" & Date < "2021-03-01")
```

	Date	OneDose	TwoDose
1	2021-02-02	175000	6000
2	2021-02-10	250000	6000
3	2021-02-18	250000	110000

```
filter(df, Date > "2021-01-31")
```

	Date	OneDose	TwoDose
1	2021-02-02	175000	6000
2	2021-02-10	250000	6000
3	2021-02-18	250000	110000
4	2021-03-01	317715	207324
5	2021-03-04	350000	215000