



DATA MANIPULATION WITH DPLYR

# **group\_by**

Group	dose 1	dose 2	Sum
A	3	3	6
A	4	5	9
B	3	1	4
B	1	3	4
C	1	3	4
C	2	2	4

variables

observation

n	min	mean	max
6	4	5.2	9

summarise

Group	dose 1	dose 2	Sum
A	3	3	6
A	4	5	9
B	3	1	4
B	1	3	4
C	1	3	4
C	2	2	4

Group	Total
A	15

B	8
---	---

C	8
---	---

n	min	mean	max
6	4	5.2	9

# group\_by

tbl

column to  
group by

```
group_by(df, Group)
```

```
df %>%
```

```
  group_by(Group)
```

Group	dose 1	dose 2	Sum
A	3	3	6
A	4	5	9
B	3	1	4
B	1	3	4
C	1	3	4
C	2	2	4





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**Let's practice!**



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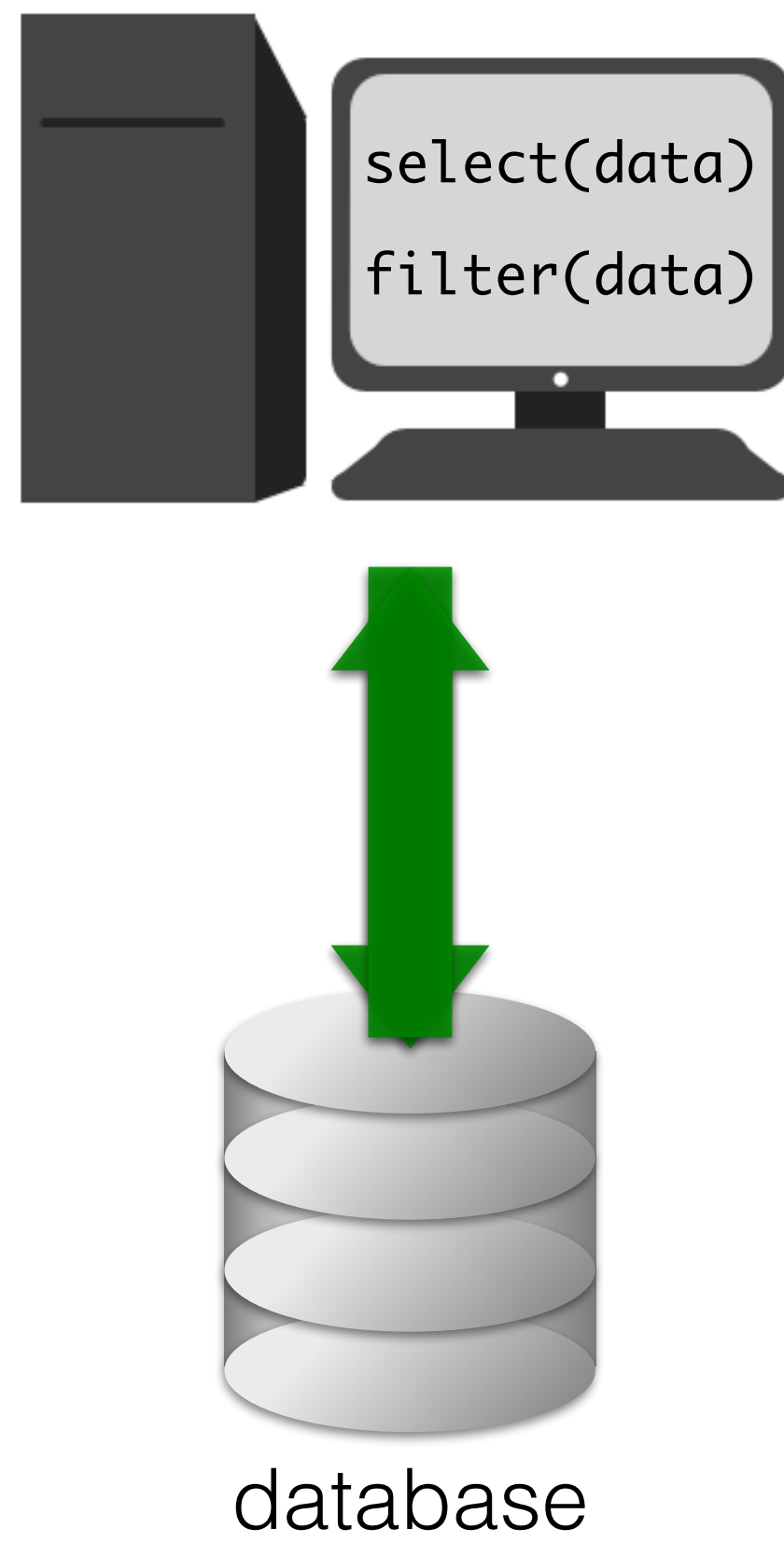
# databases



data frame

data table    `tbl_dt`

database    `tbl`





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**Let's practice!**