

# THE 'R' MURDER MYSTERY

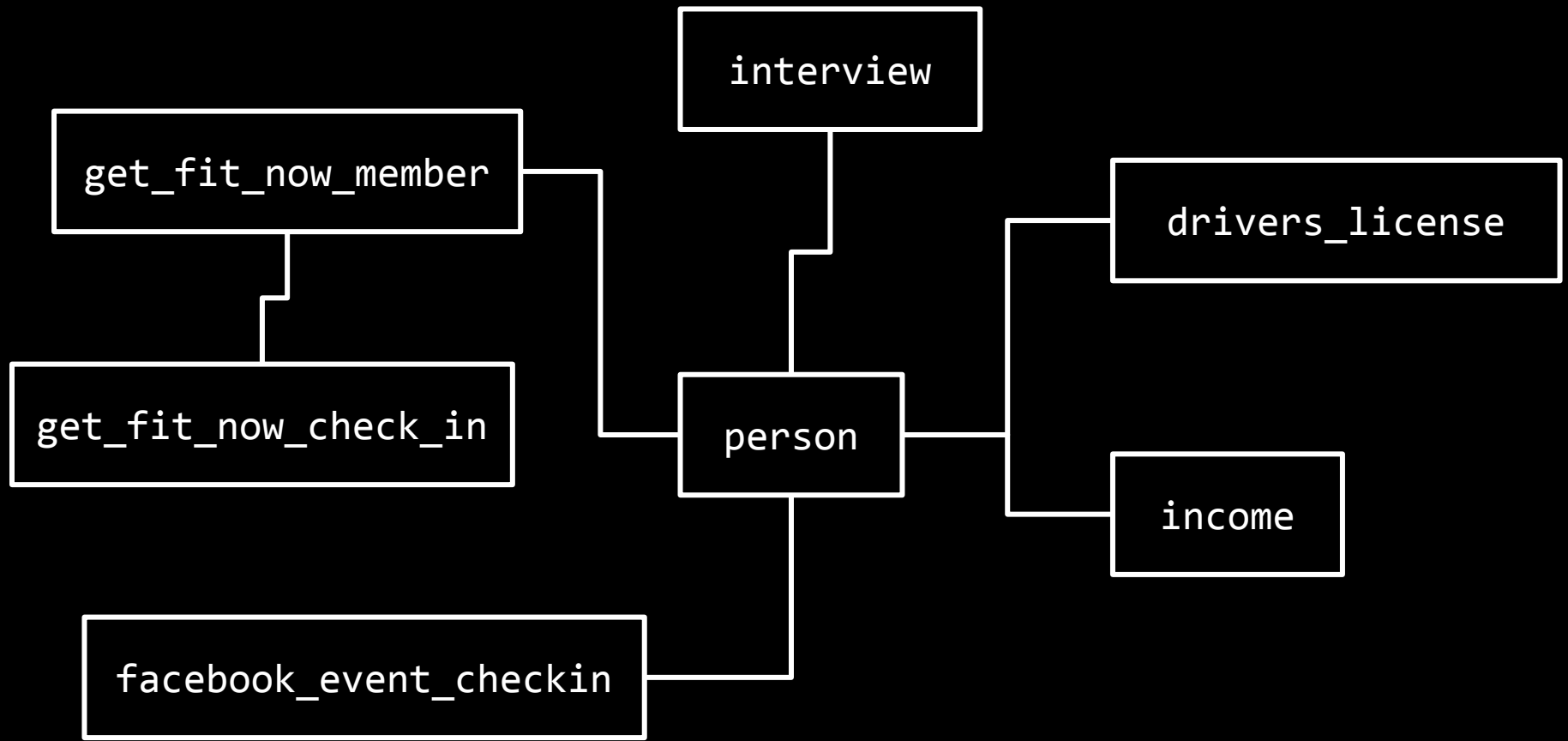


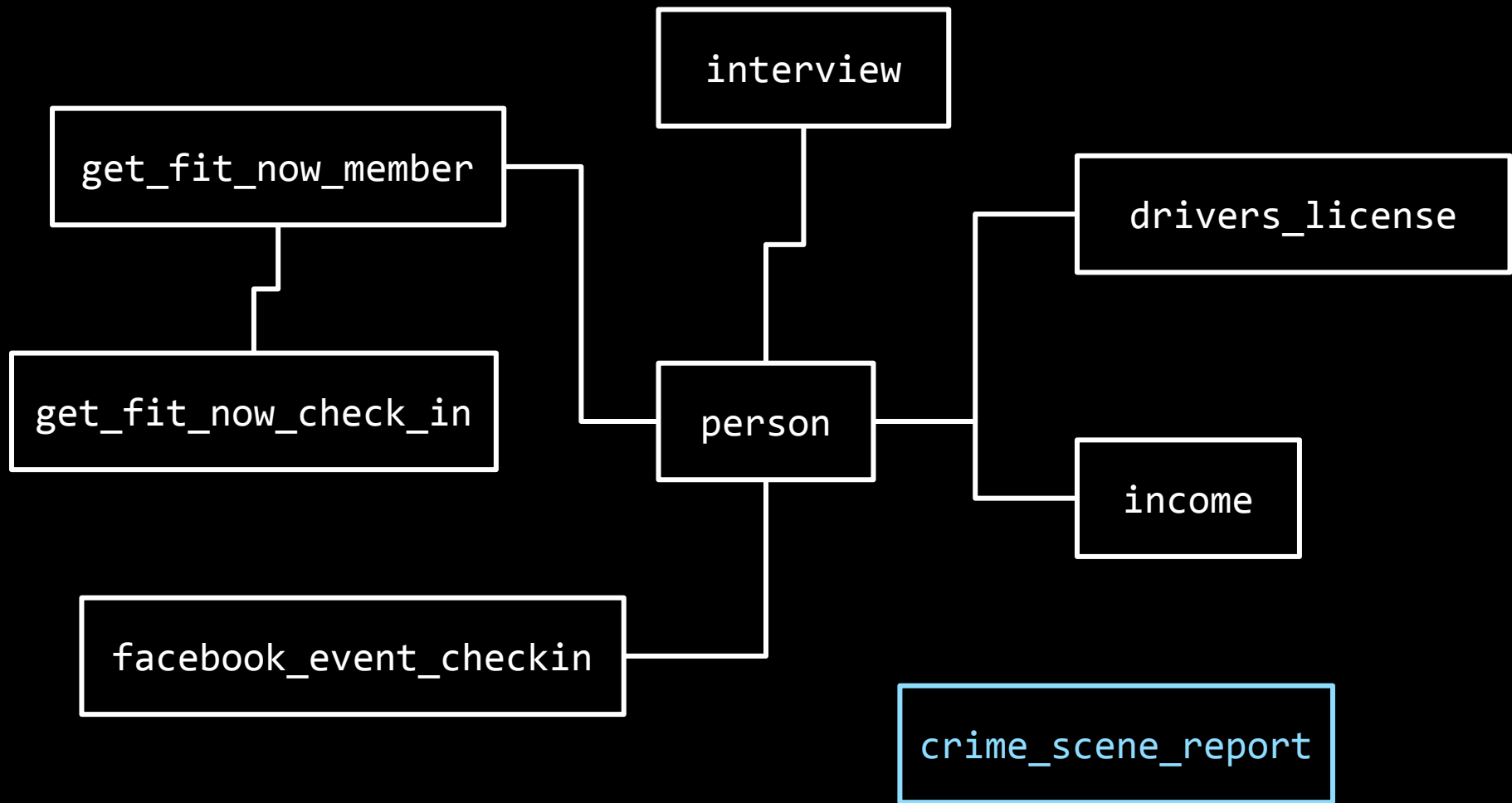
`intro/murder_mystery.R`

A crime has taken place and the detective needs your help. The detective gave you the crime scene report, but you somehow lost it. You vaguely remember that the crime was a murder that occurred sometime on **January 15, 2018** and that it took place in **SQL City**.

All the clues to this mystery are buried in a huge database, and you need to use your **R skills** to navigate through this vast network of information. Your first step to solving the mystery is to retrieve the corresponding **crime scene report** from the police department's database.

data model





submit the name of the murderer  
and attach your .R-script:

[n.meseth@hs-osnabrueck.de](mailto:n.meseth@hs-osnabrueck.de)

Congrats, you found the murderer! But wait, there's more... If you think you're up for a challenge, try querying the interview transcript of the murderer to find the real villain behind this crime.



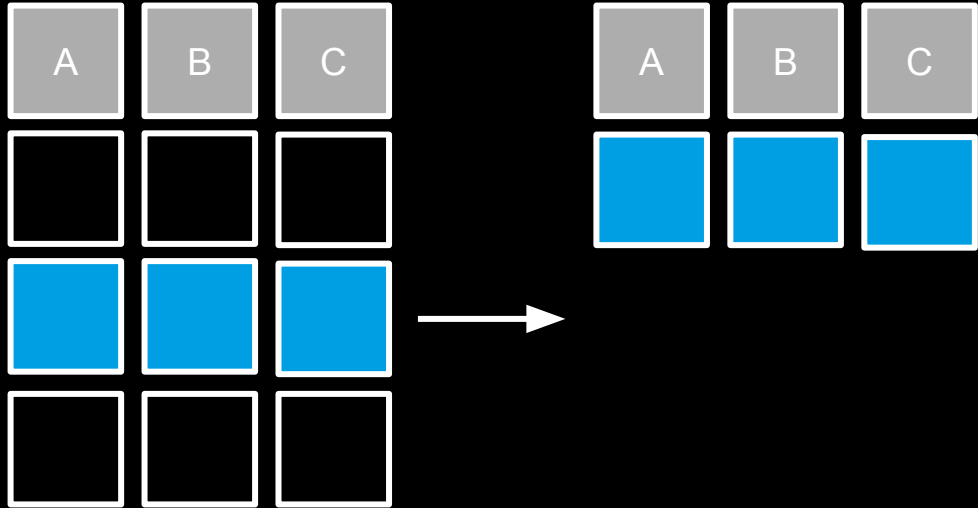
debriefing

colnames()

the pipe operator |>

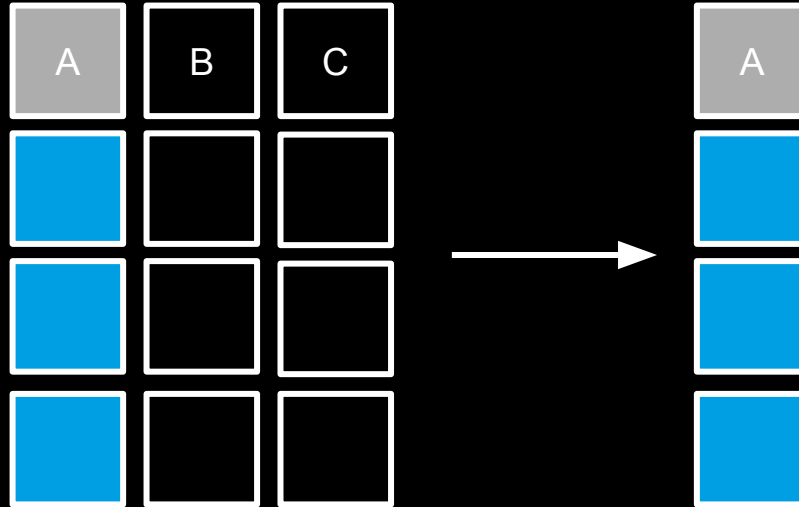
`filter()`

`filter()`



```
select()
```

`select()`

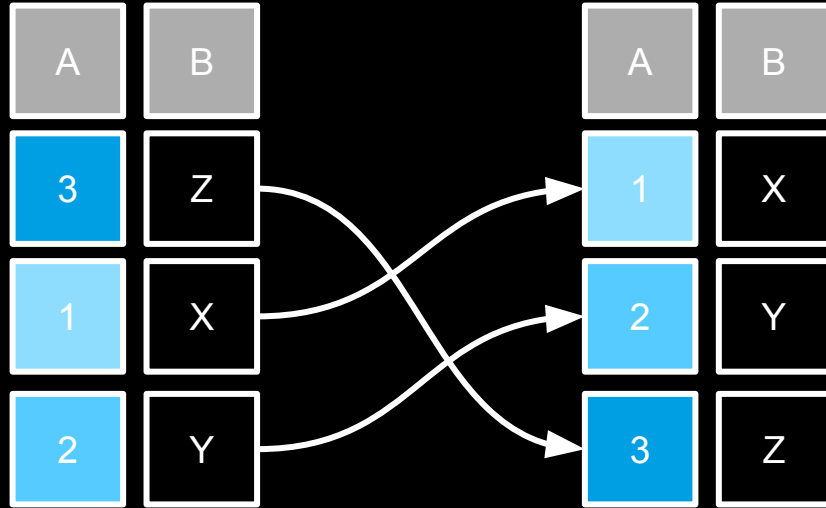


pull()



arrange()

arrange()



str\_starts()  
str\_ends()  
str\_detect()

“Annabel Miller”

“Annabel Miller”

```
str_starts(txt, "Anna")
```

“Annabel Miller”

```
str_ends(txt, "Miller")
```

“Annabel Miller”

```
str_detect(txt, "Mill")
```

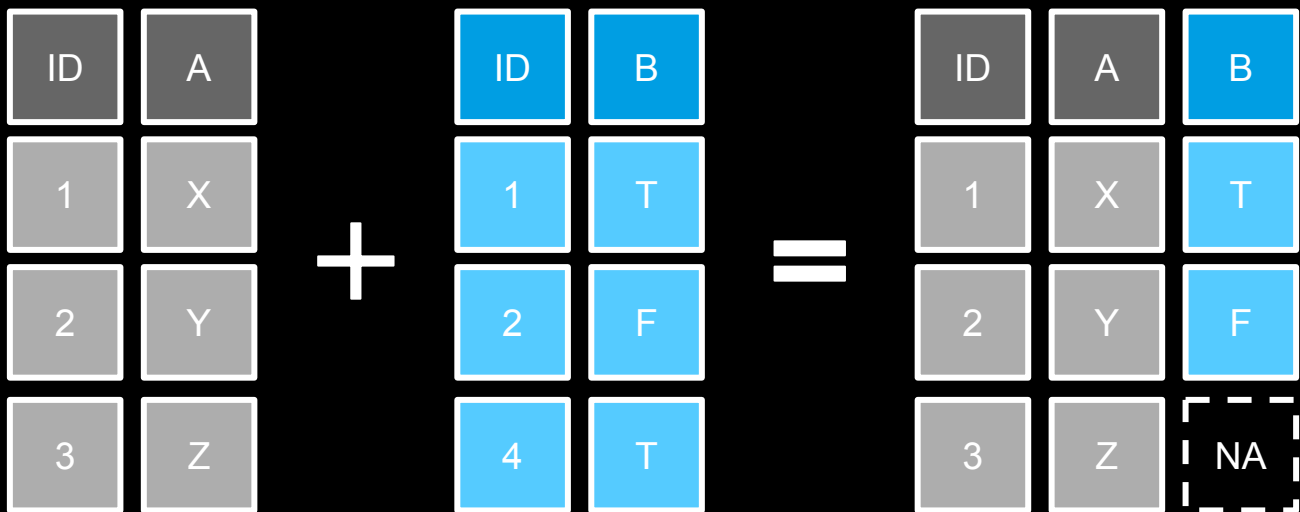
`%in%` with `c()`



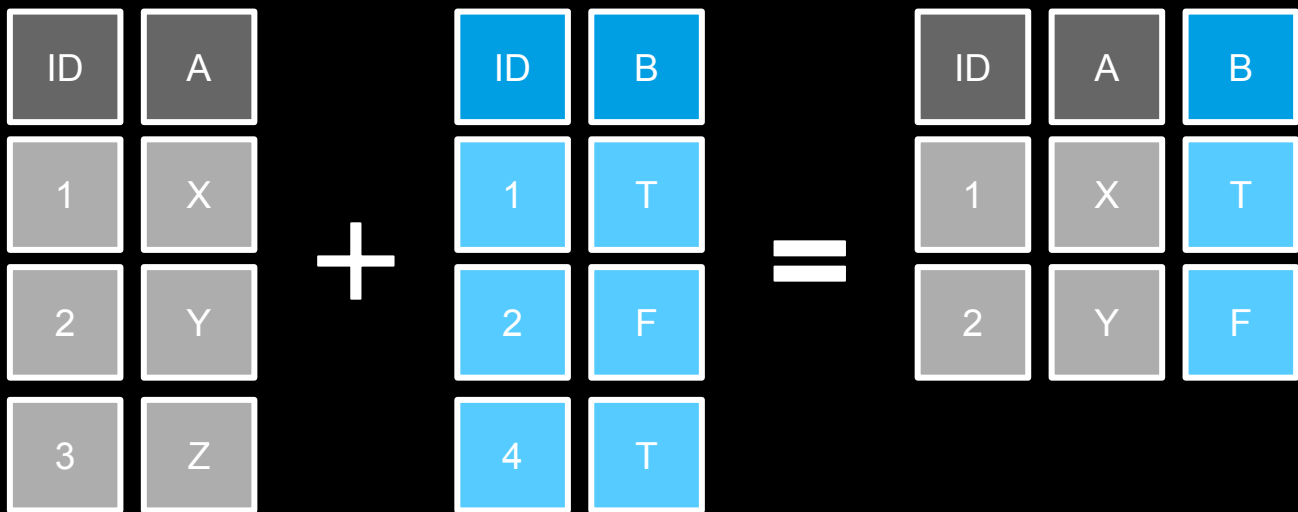
`distinct()`

between()

`left_join()`



`inner_join()`



```
full_join()
```

