

THE 'R' MURDER MYSTERY

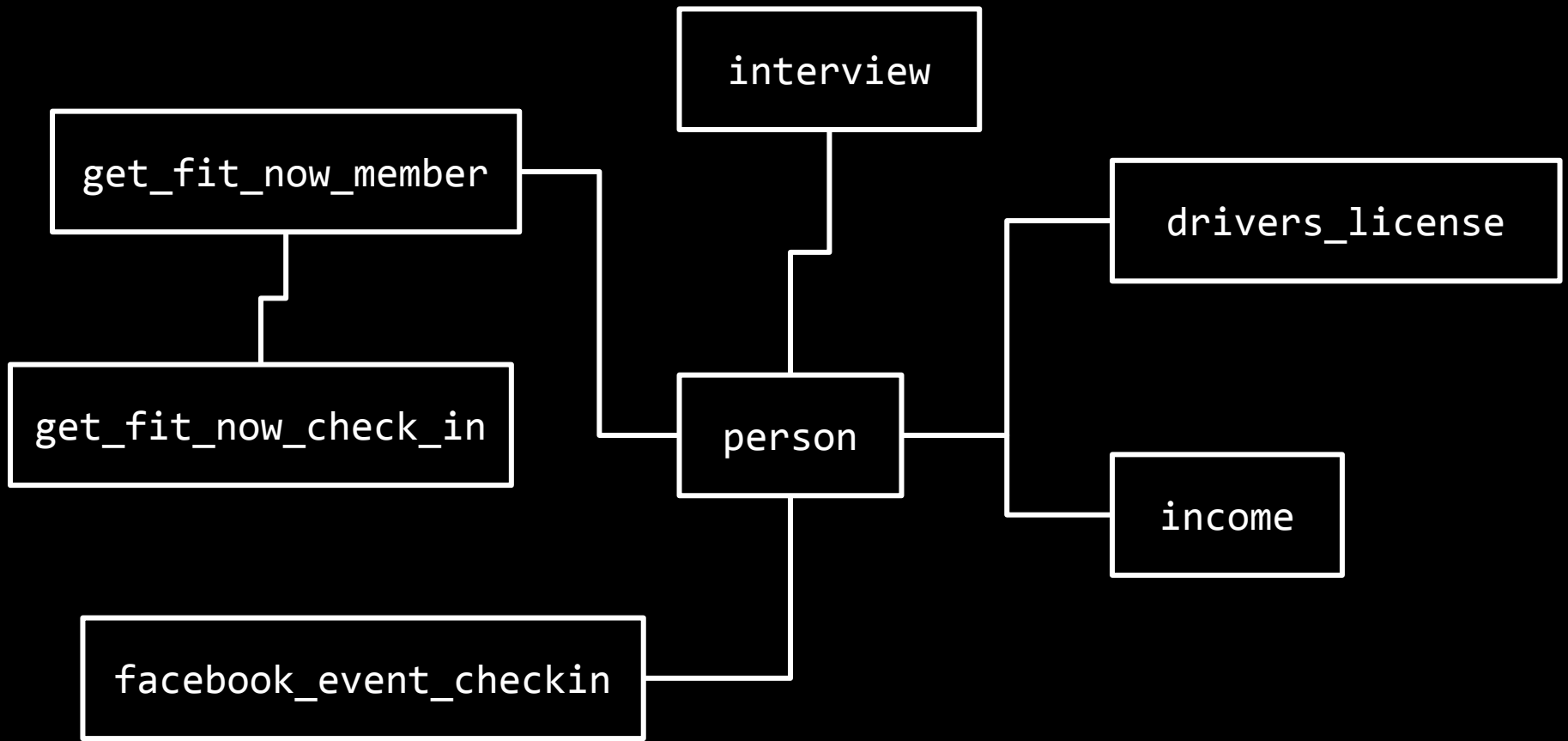


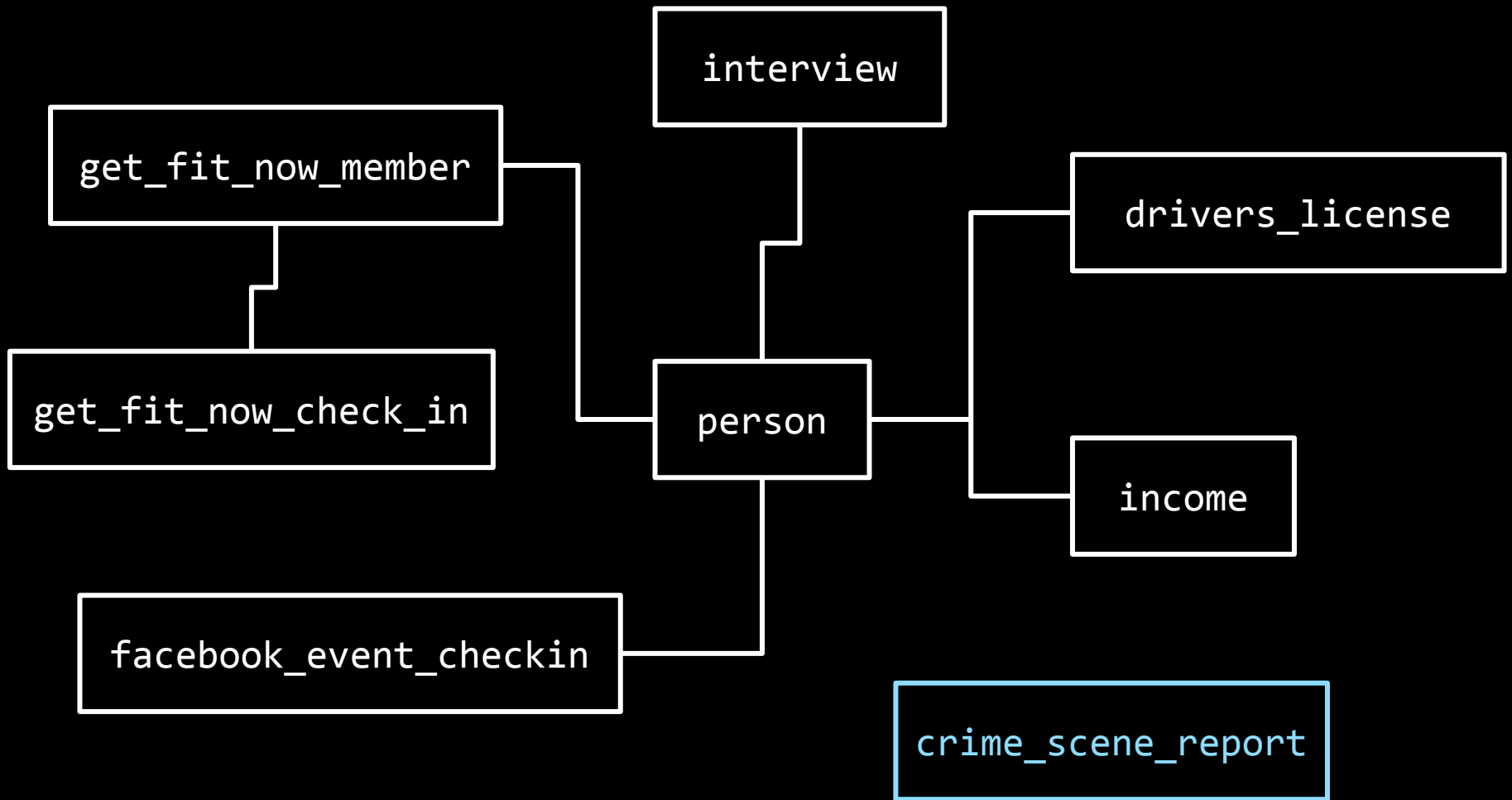
`intro/murder_mystery.R`

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:

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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.

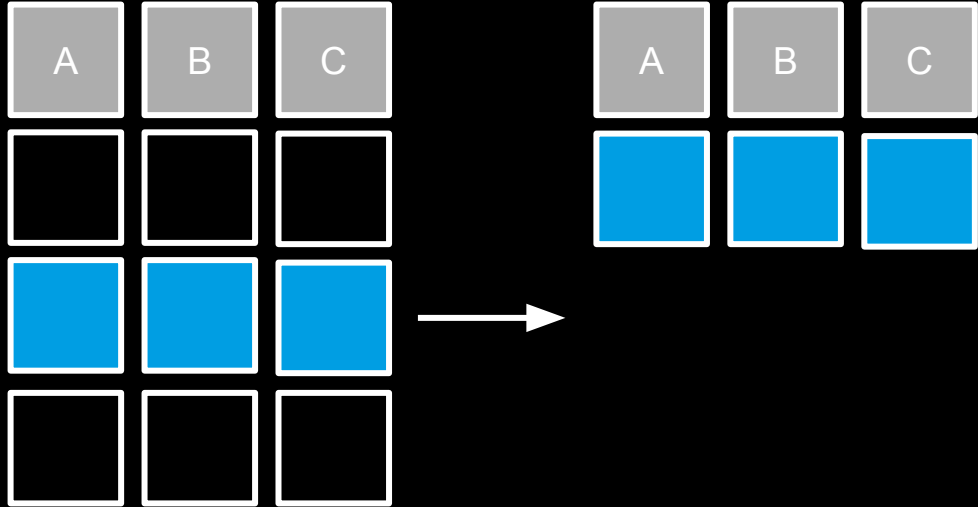
debriefing

colnames()

the pipe operator |>

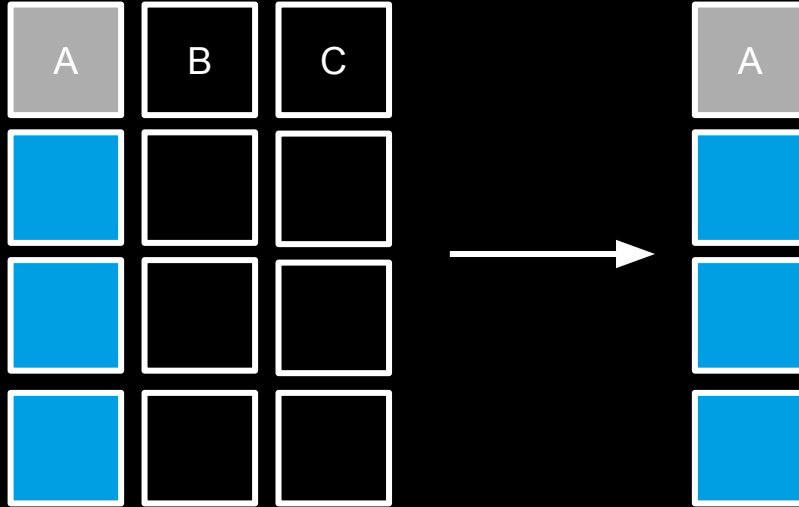
`filter()`

`filter()`



```
select()
```

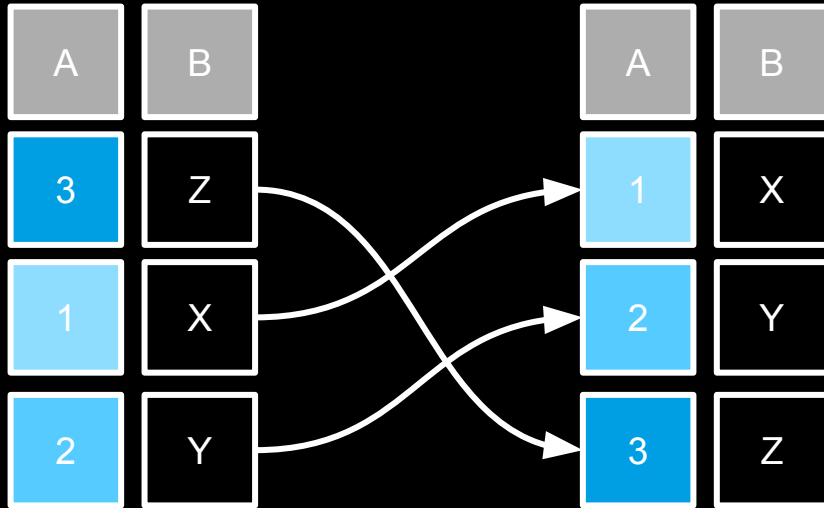
`select()`



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, "Miller")
```

`%in%` with `c()`


```
distinct()
```

between()

`left_join()`

ID	A
1	X
2	Y
3	Z

+

ID	B
1	T
2	F
4	T

=

ID	A	B
1	X	T
2	Y	F
3	Z	NA

`inner_join()`

ID	A
1	X
2	Y
3	Z

+

ID	B
1	T
2	F
4	T

=

ID	A	B
1	X	T
2	Y	F

`full_join()`

ID	A
1	X
2	Y
3	Z

+

ID	B
1	T
2	F
4	T

=

ID	A	B
1	X	T
2	Y	F
3	Z	NA
4	NA	T