# Lab 2: Exploration by visualization: the streaming movies dataset

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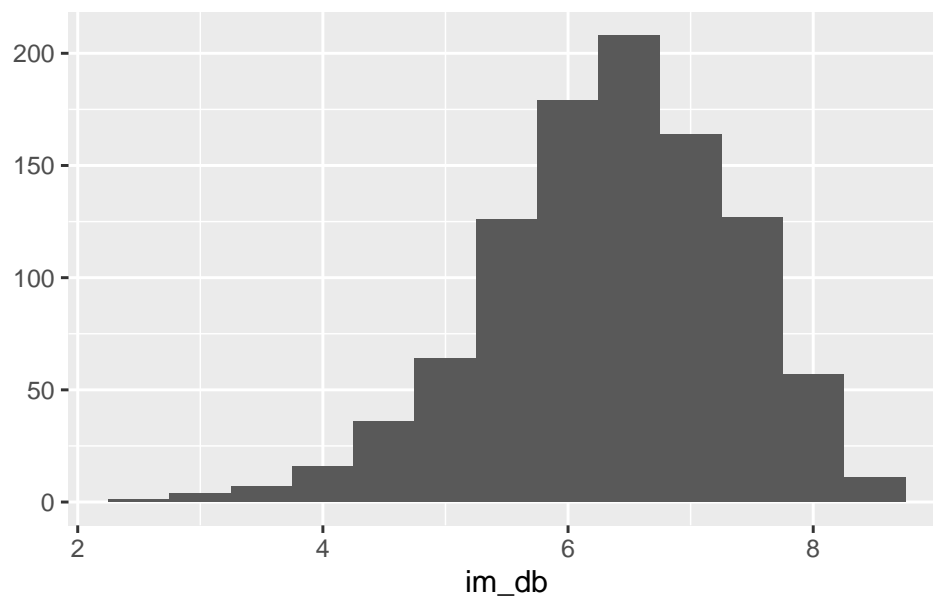
'2025-09-12

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**Visualization by example**

**Exercise 1**

```r
library(ggplot2)
qplot(x = im_db, binwidth = 0.5, data = streaming)
```
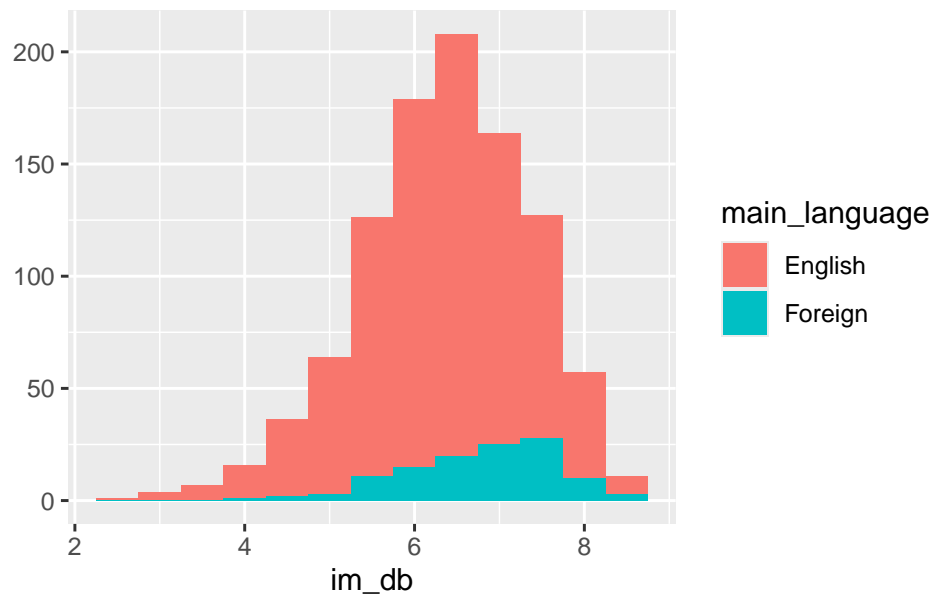
```
## Warning: 'qplot()' was deprecated in ggplot2 3.4.0.
## This warning is displayed once every 8 hours.
## Call 'lifecycle::last_lifecycle_warnings()' to see where this warning was
## generated.
```

**Exercise 2**

```r
library(ggplot2)

qplot(
  x = im_db,
  binwidth = 0.5,
  fill = main_language,
  data = streaming
)
```
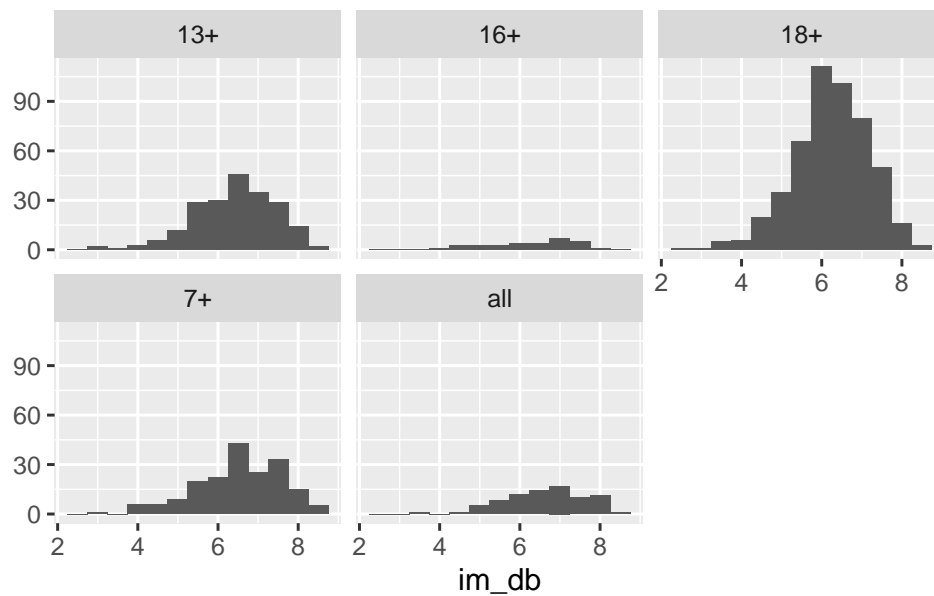


**Exercise 3**

Foreign films look slightly higher on average, which is a natural phenomenon as only popular or well-received films are usually streamed.

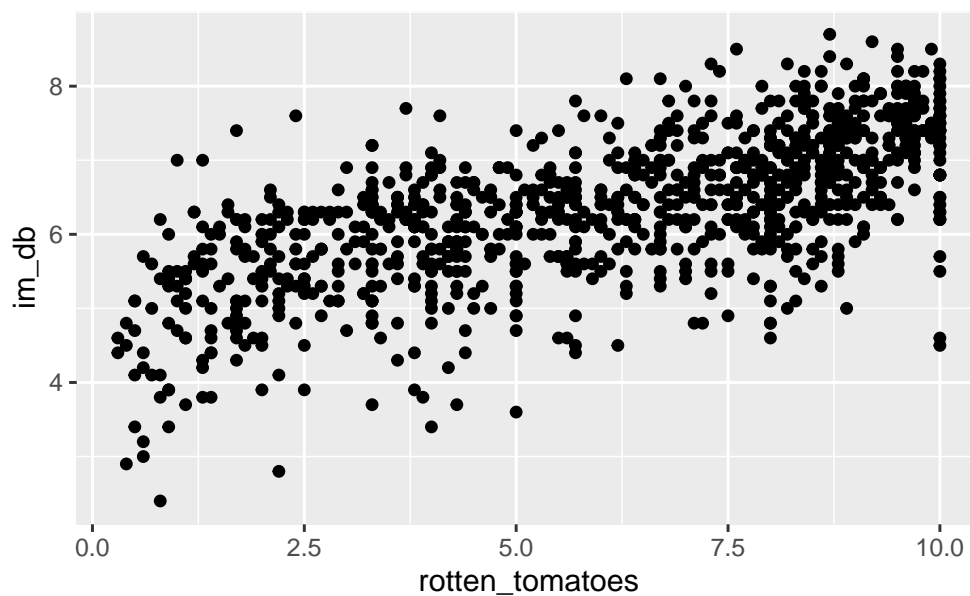**Exercise 4**

```r
library(ggplot2)

qplot(
  x = im_db,
  binwidth = 0.5,
  facets = ~ age,
  data = streaming
)
```

**Exercise 5**

```r
library(ggplot2)

qplot(
  x = rotten_tomatoes,
  y = im_db,
  data = streaming
)
```
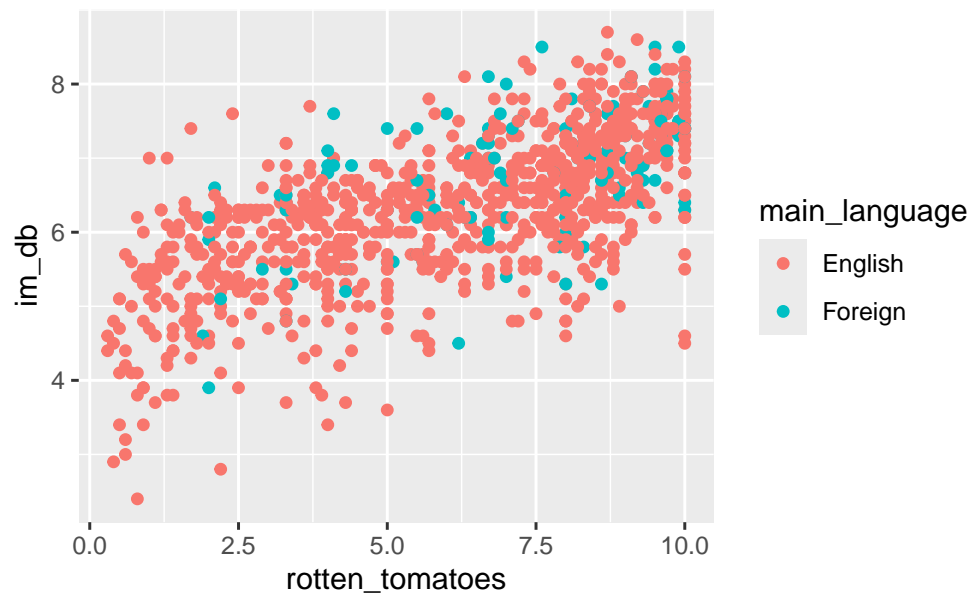
**Exercise 6**

```r
library(ggplot2)

qplot(
  x = rotten_tomatoes,
  y = im_db,
  color = main_language,
  data = streaming
)
```
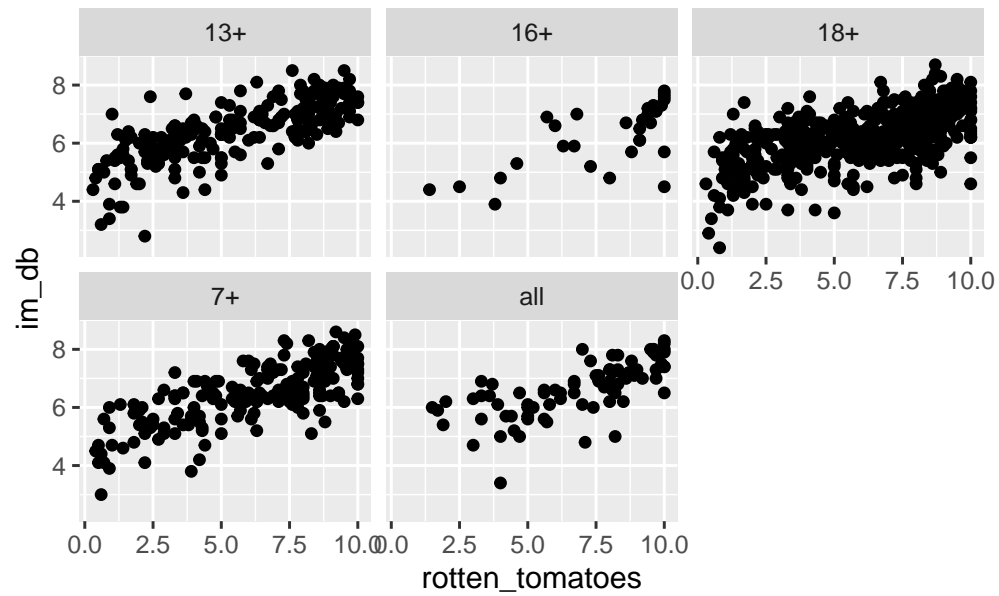


**Exercise 7**

```r
library(ggplot2)

qplot(
  x = rotten_tomatoes,
  y = im_db,
  data = streaming,
  facets = ~ age
)
```
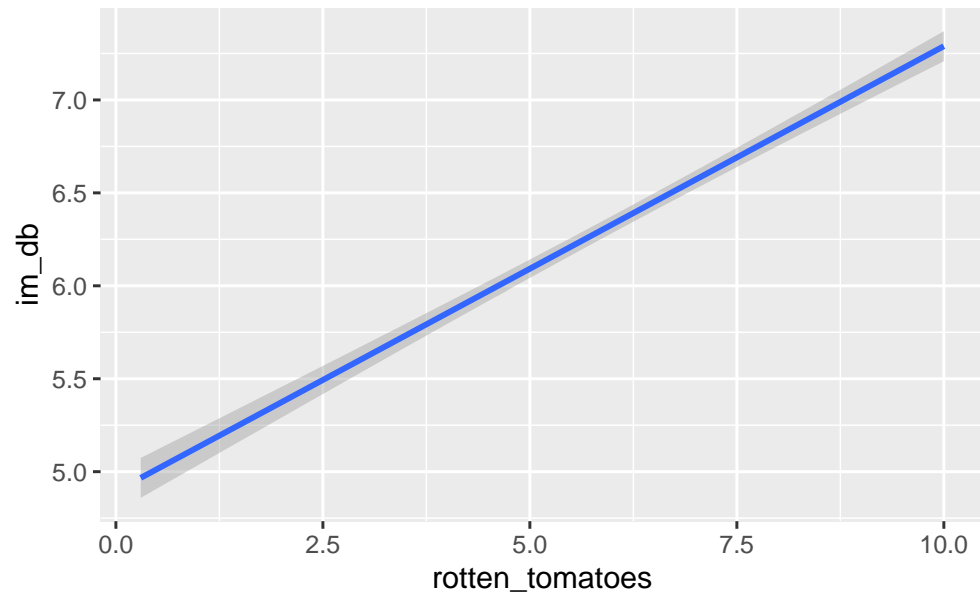
**Exercise 8**

```r
library(ggplot2)

qplot(
  x = rotten_tomatoes,
  y = im_db,
  geom = "smooth",
  method = "lm",
  data = streaming
)
```

```
## `geom_smooth()` using formula = 'y ~ x'
```

**Exercise 9**