

Cutoff probability: 0.5

Output

Code

```
cutoff_prob <- 0.5
email_pred %>%
  mutate(
    spam      = if_else(spam == 1, "Email is spam", "Email is not spam"),
    spam_pred = if_else(.pred_1 > cutoff_prob, "Email labelled spam", "Email labelled not
  ) %>%
  count(spam_pred, spam) %>%
  pivot_wider(names_from = spam, values_from = n) %>%
  kable(col.names = c("", "Email is not spam", "Email is spam"))
```

Cutoff probability: 0.25

Output

Code

```
cutoff_prob <- 0.25
email_pred %>%
  mutate(
    spam      = if_else(spam == 1, "Email is spam", "Email is not spam"),
    spam_pred = if_else(.pred_1 > cutoff_prob, "Email labelled spam", "Email labelled not
  ) %>%
  count(spam_pred, spam) %>%
  pivot_wider(names_from = spam, values_from = n) %>%
  kable(col.names = c("", "Email is not spam", "Email is spam"))
```

Cutoff probability: 0.75

Output

Code

```
cutoff_prob <- 0.75
email_pred %>%
  mutate(
    spam      = if_else(spam == 1, "Email is spam", "Email is not spam"),
    spam_pred = if_else(.pred_1 > cutoff_prob, "Email labelled spam", "Email labelled not
  ) %>%
  count(spam_pred, spam) %>%
  pivot_wider(names_from = spam, values_from = n) %>%
  kable(col.names = c("", "Email is not spam", "Email is spam"))
```