

# Bar charts with ggplot2

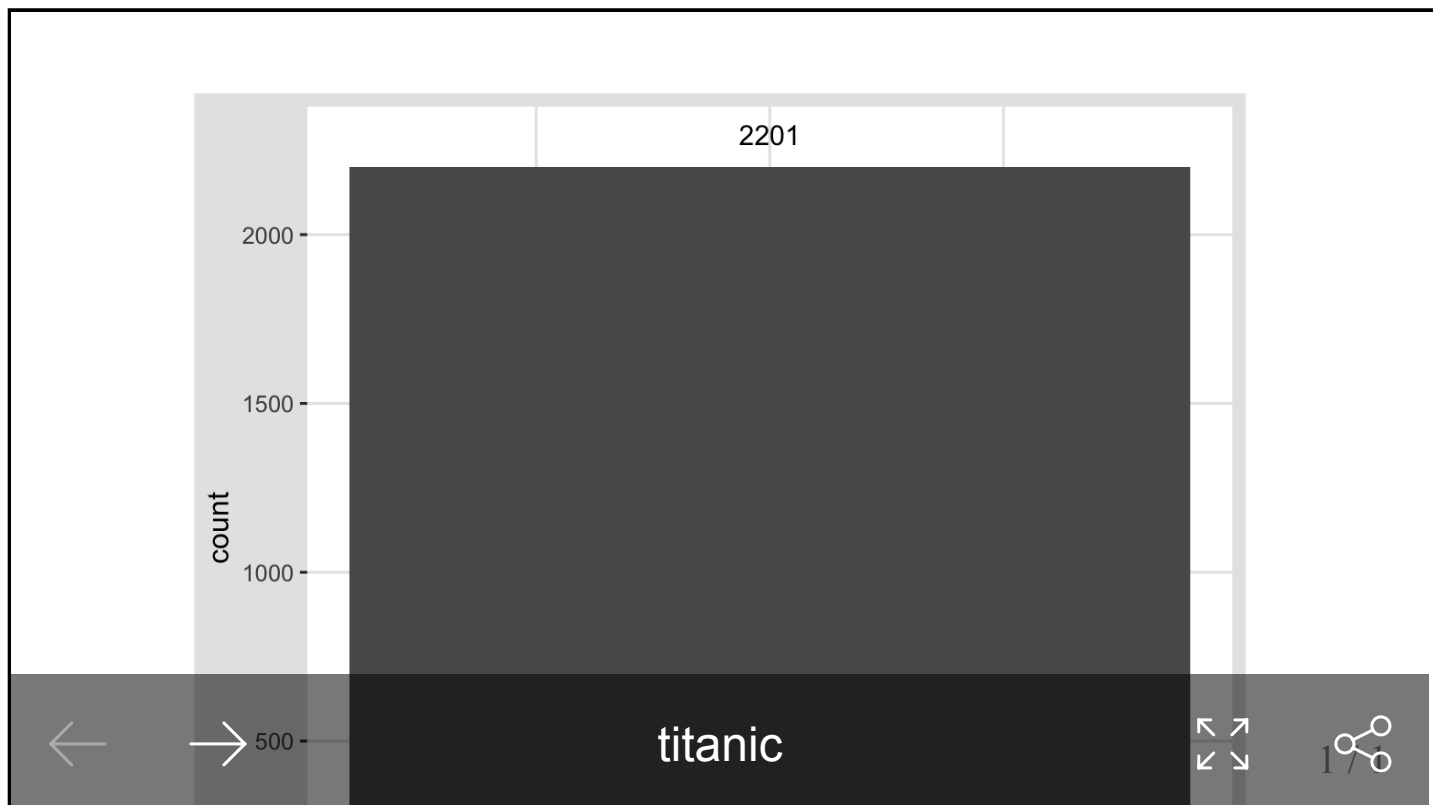
## Storytelling with bar charts

A cool thing to do for your audience is to walk them through breakdowns of data. So you can start with the universe of observations. How many people, fish, countries, etc are in your data story? And then what is the division in that data for the outcome of interest? And what are the potential variables that might be co-related to that outcome.

Breaking down count slowly      How can we get this done?

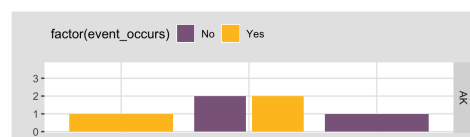
Below, we look at an example of the titanic tragedy.

We start with a total count of people on aboard ship.



Survey of positions      Position 'waldo'      Isn't `position_dodge(preserve = "single")`, "waldo"?

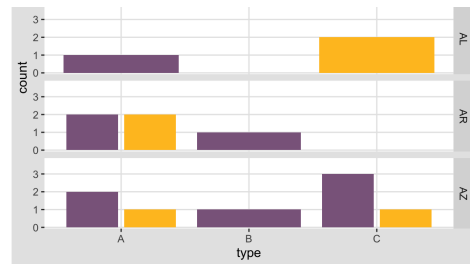
```
library(tidyverse)
set.seed(98789)
n <- 22
```



```

tibble(type = sample(LETTERS[1:3], n,
  state = sample(state.abb[1:4],
  event_occurs = sample(c("Yes",
ggplot() +
ggthemes::theme_igray() +
geom_bar(position = "dodge2") +
aes(fill = factor(event_occurs)) +
theme(legend.position = "top") +
theme(legend.justification = 0) +
scale_fill_manual(values = c("plum4",
aes(x = type) +
facet_grid(state~.) +
scale_y_continuous(expand = expansio

```



positions



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