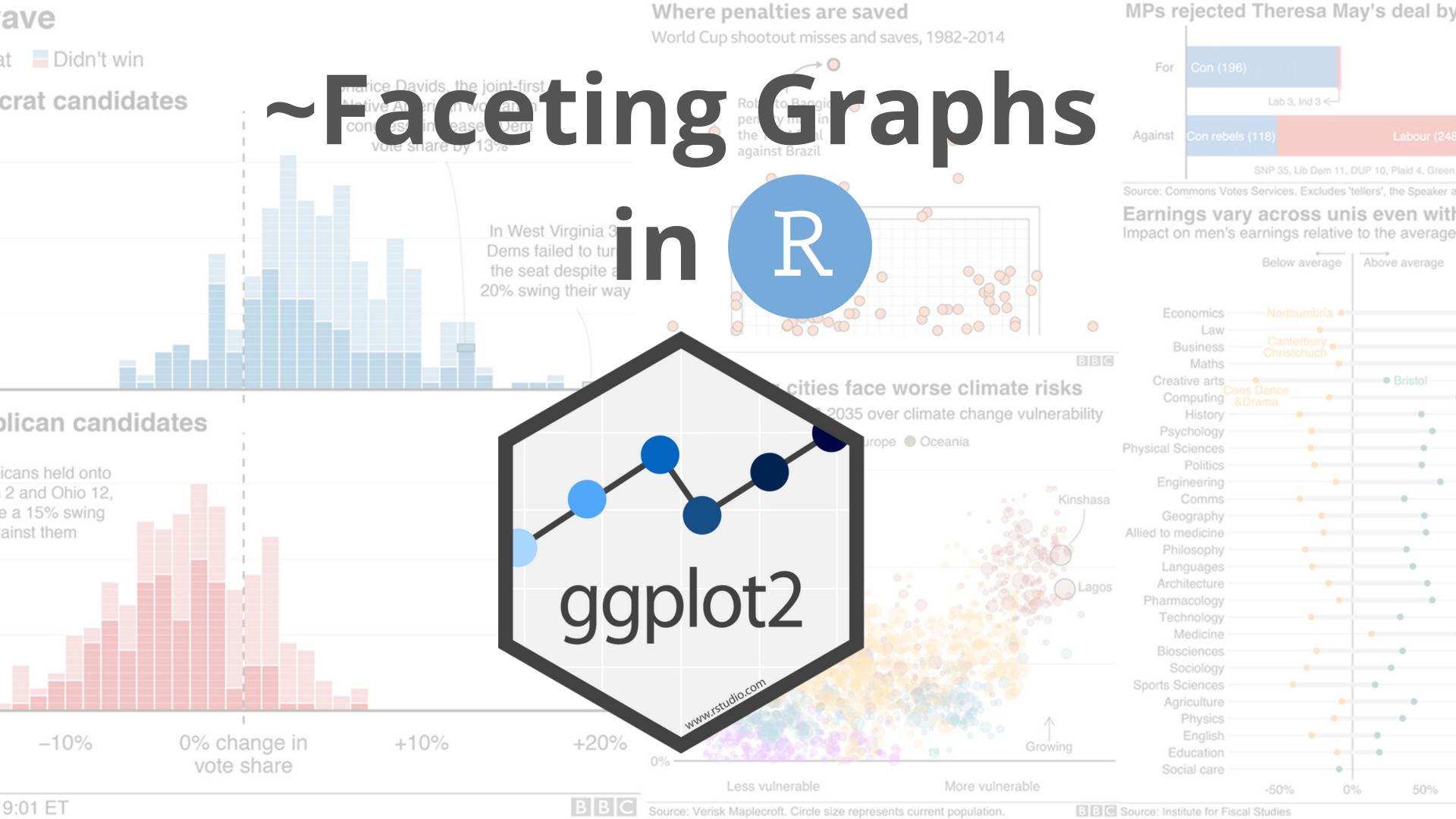




#### Week 12

DSC Graduate Development Program



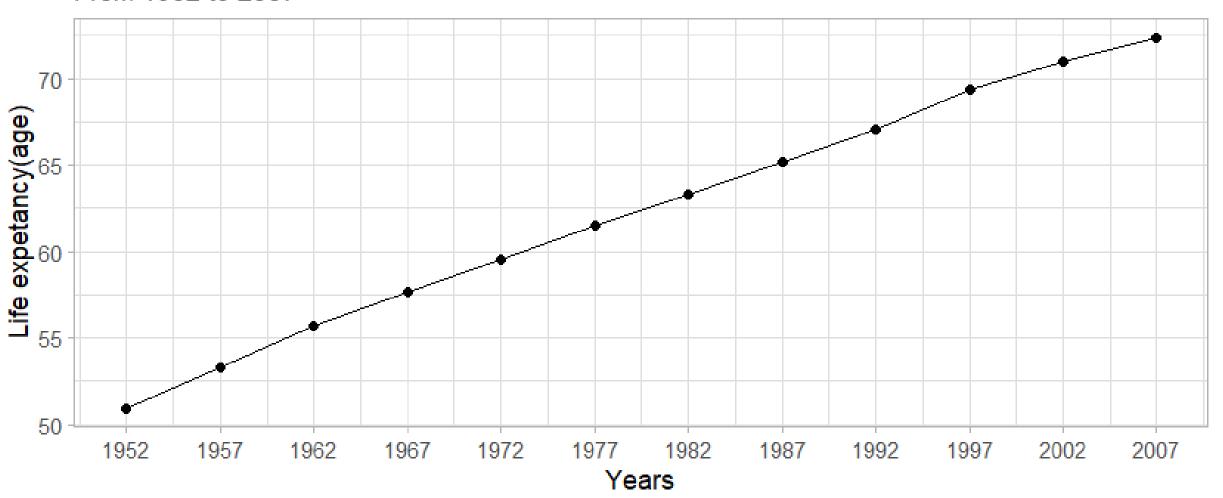
#### ... if you recall, this code:

```
## Data + Aesthetics
gapminder2 %>%
  ggplot(aes(x = year, y = lifeExp)) +
  geom_point() +
  labs(title = 'Life expectancy evolution in Brazil',
       subtitle = 'From 1952 to 2007',
       x = 'Years',
       y = 'Life expectancy(age)',
       caption = 'Source: gapminder dataset') +
  theme_light() +
  scale_x_continuous(breaks = seq(1952, 2007, by = 5)) +
  geom_line()
```

# produced this...

Life expectancy evolution in Brazil

From 1952 to 2007



Source: gapminder dataset

# Creating facets inside ggplot

First, change the data!

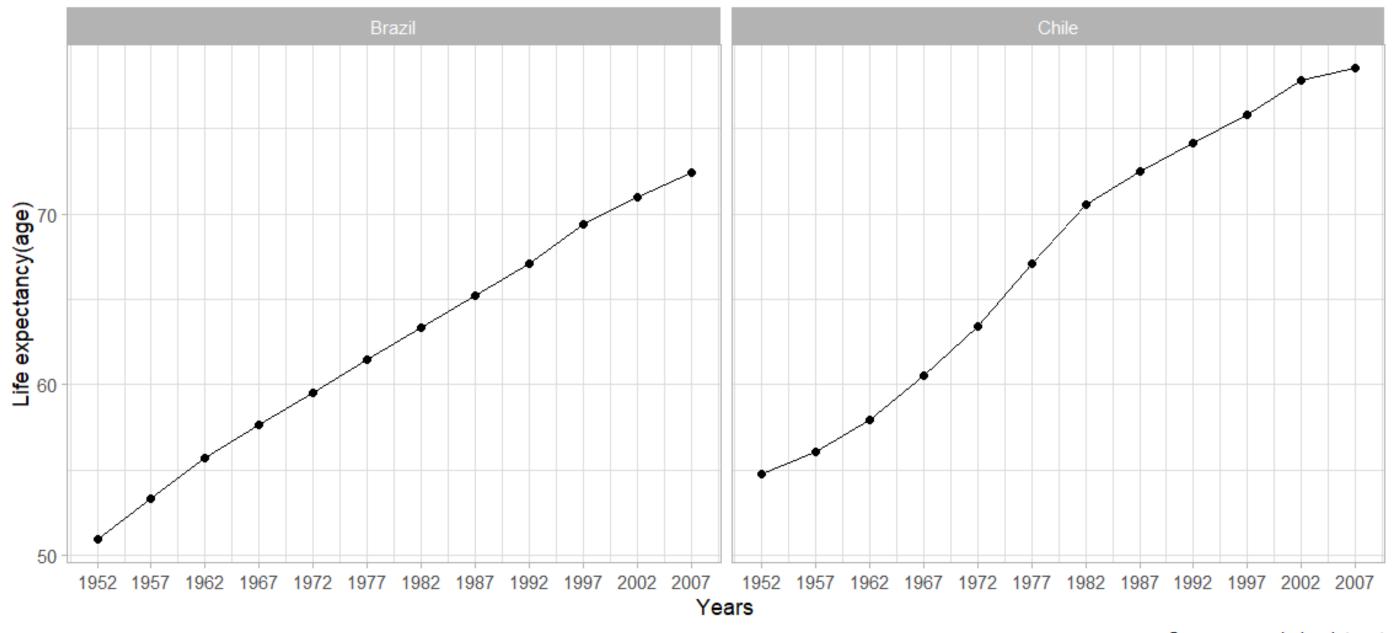
```
## Transforming the data
gapminder2 <- gapminder %>%
    filter(country %in% c('Brazil', 'Chile'))
```

Now... add 9th layer: facet\_wrap

```
gapminder2 %>%
  ggplot(aes(x = year, y = lifeExp)) +
  geom_point() +
  labs(title = 'Life expectancy evolution in Brazil',
       subtitle = 'From 1952 to 2007',
       x = 'Years',
       y = 'Life expectancy(age)',
       caption = 'Source: gapminder dataset') +
  theme_light() +
  scale_x_continuous(breaks = seq(1952, 2007, by = 5)) +
  geom_line() +
  facet_wrap(~country)
```

# Creating facets inside ggplot ('~' = 'by')

Life expectancy evolution in Brazil and Chile From 1952 to 2007



Source: gapminder dataset

- Slicing our dataframe (variations):
  - slice()

```
## Getting the first 100 rows
gapminder %>%
slice(1:100)
```

Slicing our dataframe (variations):

• slice()

```
## Getting the first 100 rows
gapminder %>%
slice(1:100)
```

- Renaming our columns:
  - colnames()

```
## Change the name of the first col
colnames(gapminder)[1] <- 'nation'</pre>
```

- Slicing our dataframe (variations):
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```
## Getting the first 100 rows
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- Renaming our columns:
  - colnames()

```
## Change the name of the first col
colnames(gapminder)[1] <- 'nation'</pre>
```

- Getting only unique values in a df:
  - distinct()

```
## Getting unique values for 'year'
gapminder %>%
  distinct(year)
```

- Slicing our dataframe (variations):
  - slice()

```
## Getting the first 100 rows
gapminder %>%
slice(1:100)
```

- Renaming our columns:
  - colnames()

```
## Change the name of the first col
colnames(gapminder)[1] <- 'nation'</pre>
```

- Getting only unique values in a df:
  - distinct()

```
## Getting unique values for 'year'
gapminder %>%
  distinct(year)
```

- Picking columns as vectors:
  - pull()

```
## Getting the 'pop' col as a vector
gapminder %>%
  pull(pop)
```