

DataCamp Course

Alexandra Stephens

9/7/2018

“Introduction to the Tidyverse” Code Samples

Here is a sample of an exercise I completed in the DataCamp course “Introduction to the Tidyverse”

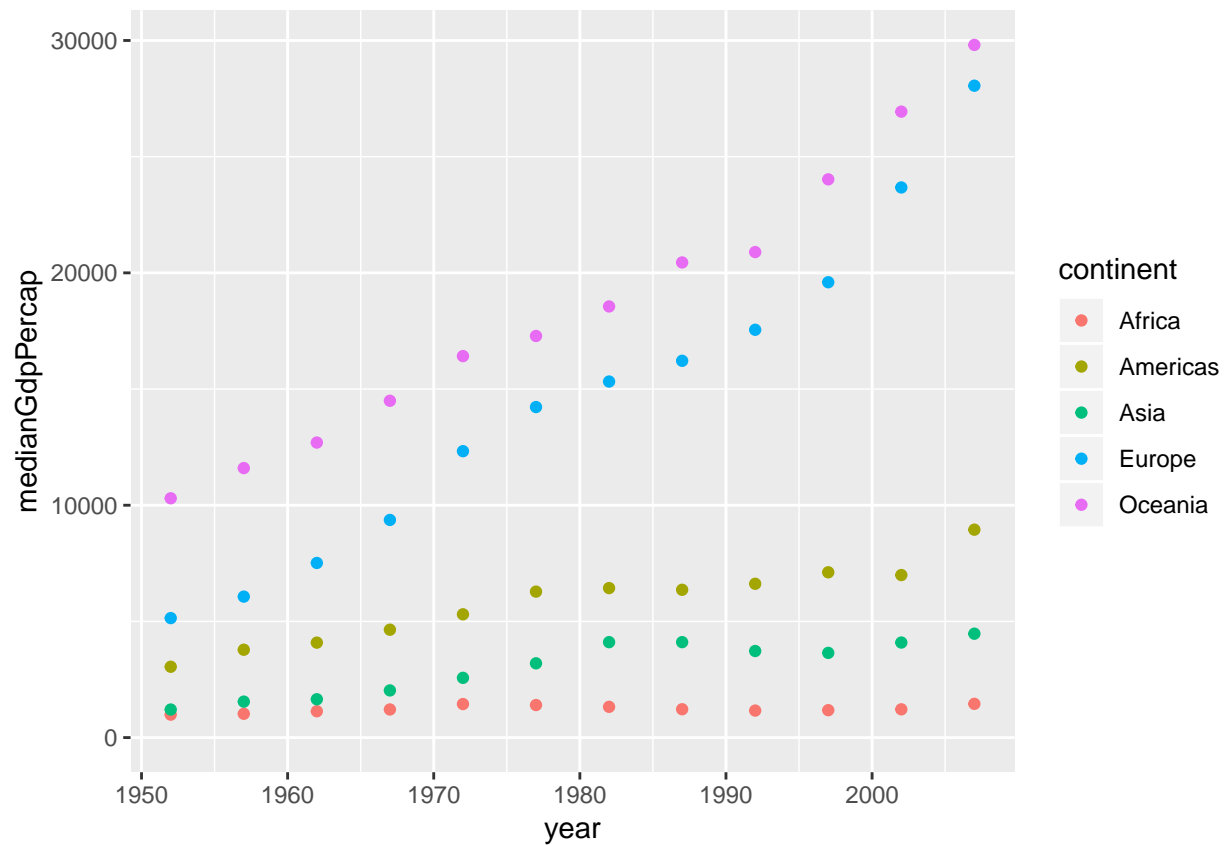
```
library(gapminder)
library(dplyr)

##
## Attaching package: 'dplyr'
##
## The following objects are masked from 'package:stats':
##
##   filter, lag
##
## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union

library(ggplot2)

# Summarize medianGdpPercap within each continent within each year: by_year_continent
by_year_continent <- gapminder %>%
  group_by(continent, year) %>%
  summarize(medianGdpPercap = median(gdpPercap))

# Plot the change in medianGdpPercap in each continent over time
ggplot(by_year_continent, aes(x = year, y = medianGdpPercap, color = continent))+
  geom_point() +
  expand_limits(y=0)
```



Second example: Multiple plots

```
library(gapminder)
library(dplyr)
library(ggplot2)

gapminder_1952 <- gapminder %>%
  filter(year == 1952)

# Scatter plot comparing pop and lifeExp, faceted by continent
ggplot(gapminder_1952, aes(x=pop, y=lifeExp)) +
  geom_point() +
  scale_x_log10() +
  facet_wrap(~continent)
```

