

VIZ

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Scatterplot

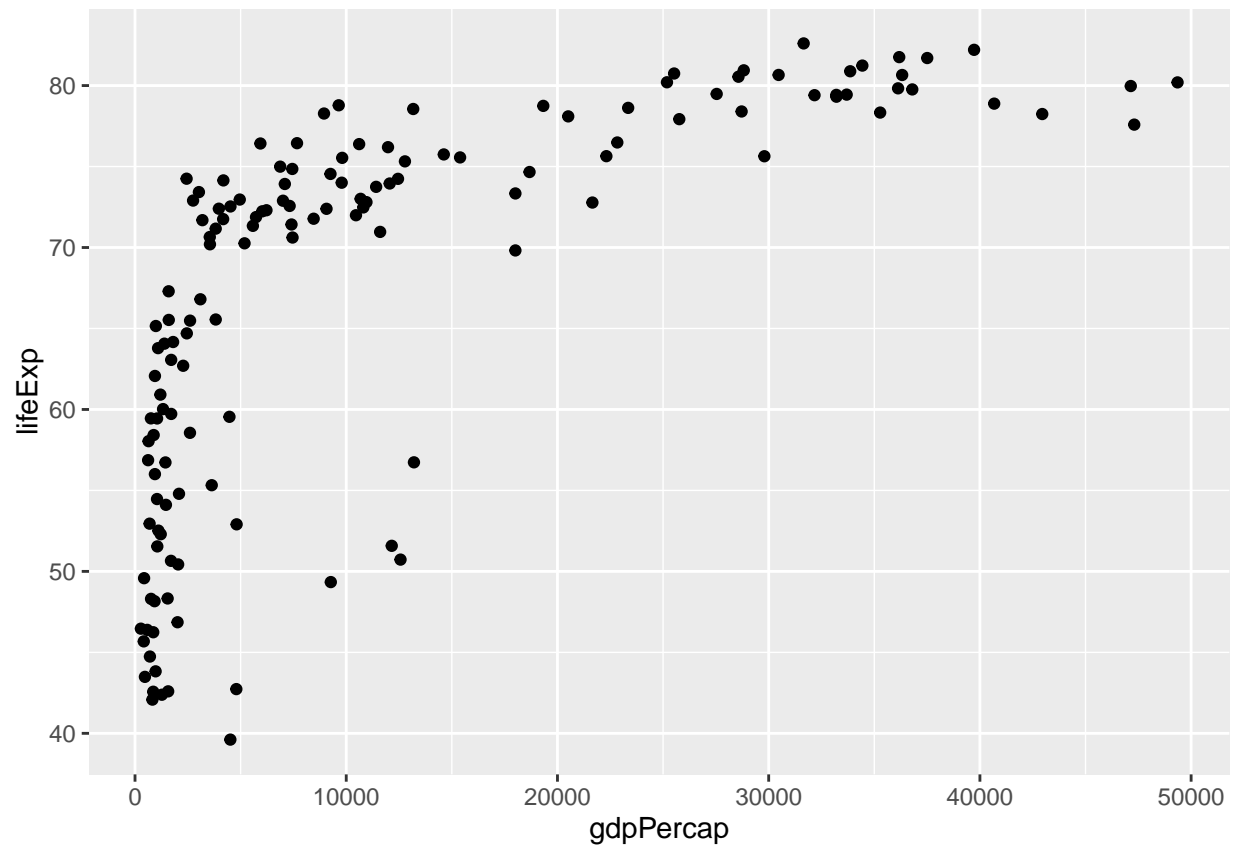
```
# R evaluates, but doesn't show the results
library(dplyr)
library(ggplot2)
library(gapminder)

# preview data
gapminder

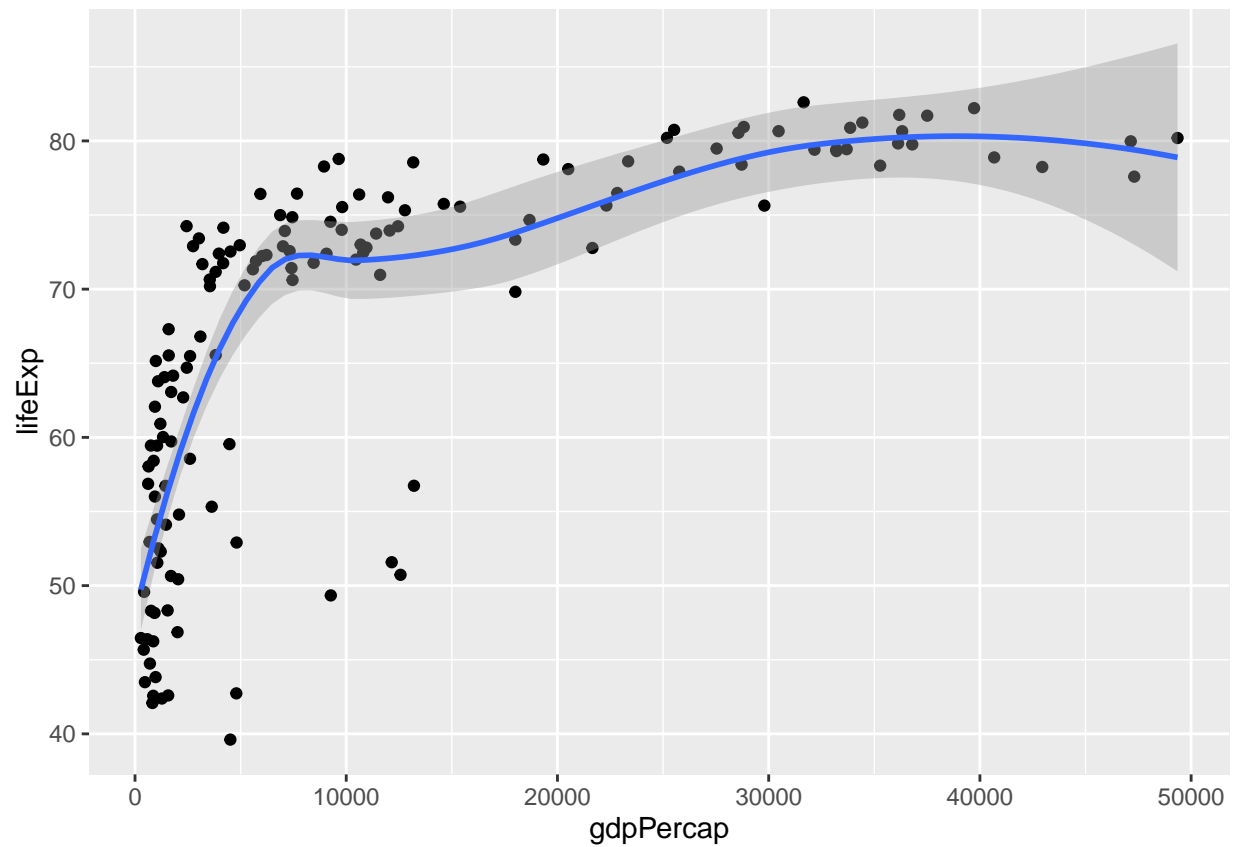
# get range of available data
summary(gapminder)

# setup dataframe
g = gapminder %>%
  filter(year==2007) %>% # most recent year
  mutate(pop_m = pop/1e6) # population, millions

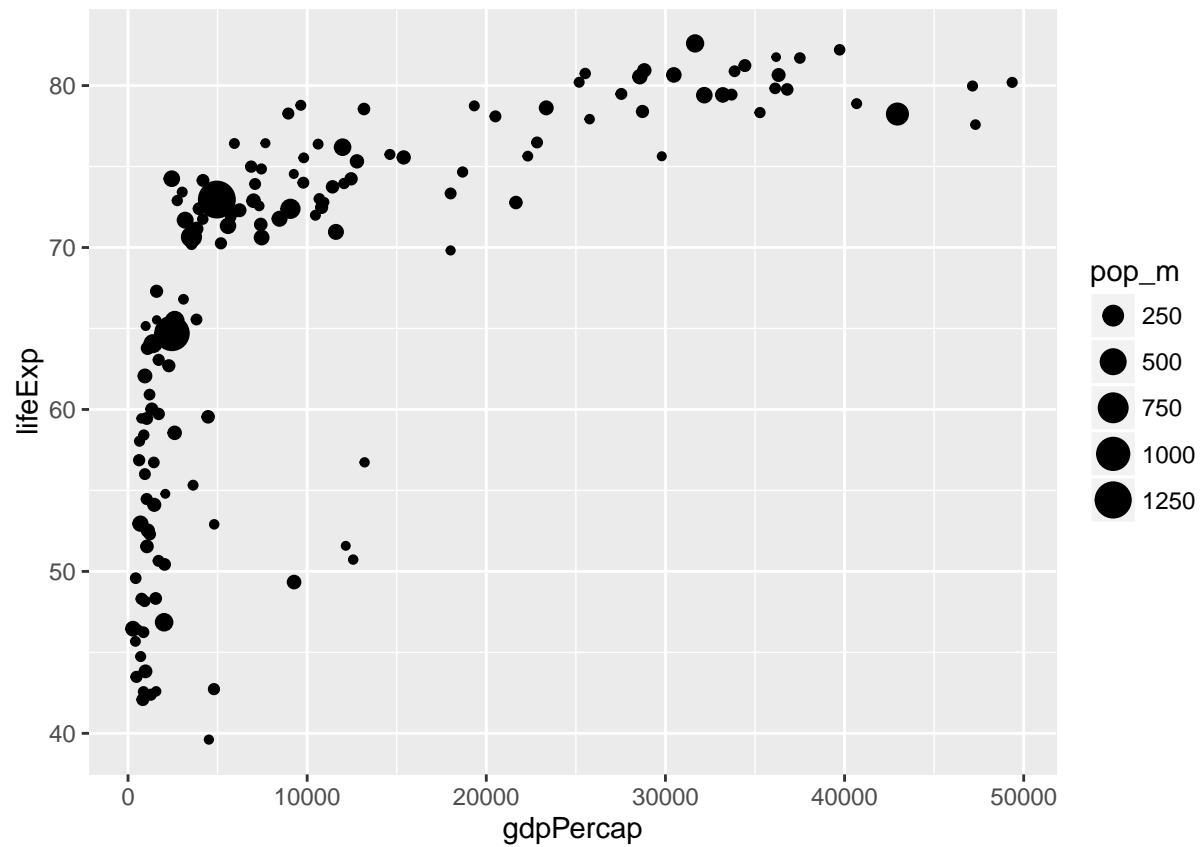
# plot scatterplot of most recent year
s = ggplot(g, aes(x=gdpPercap, y=lifeExp)) +
  geom_point()
s
```



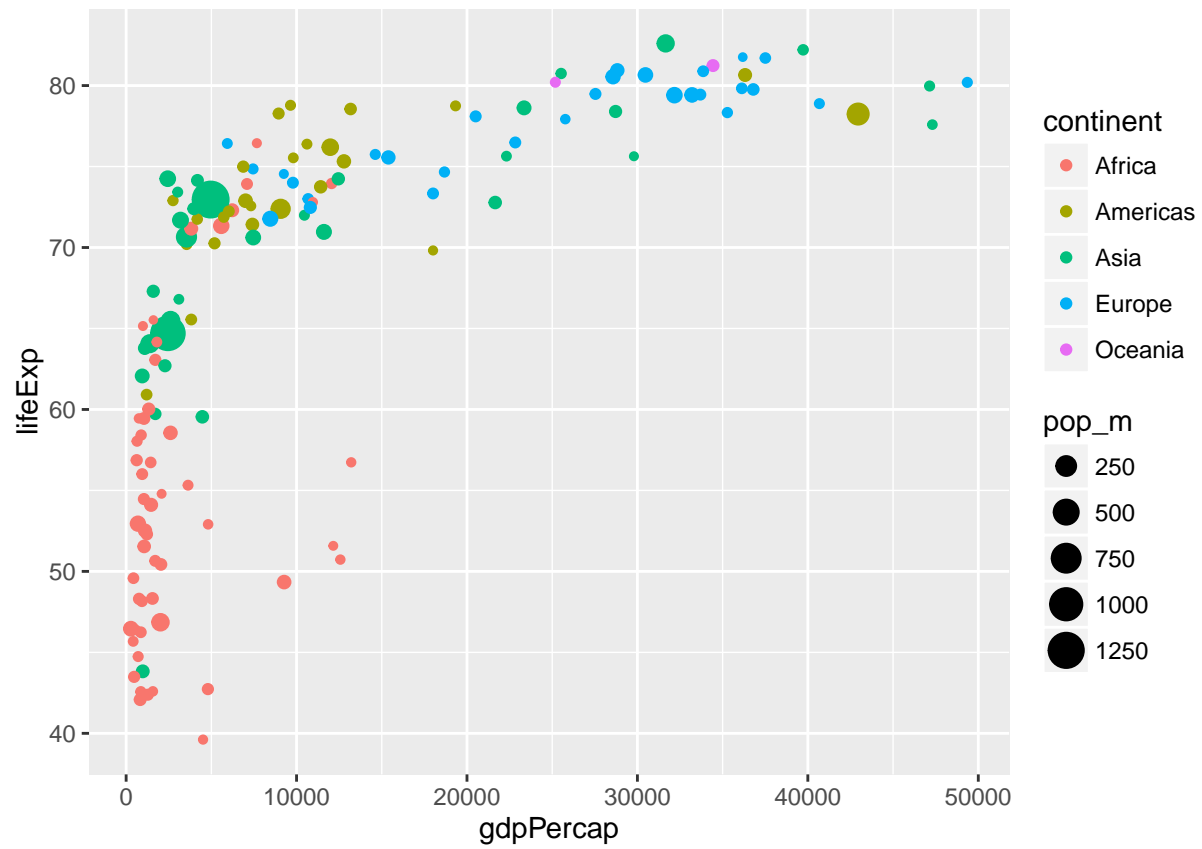
```
s + geom_smooth()
```



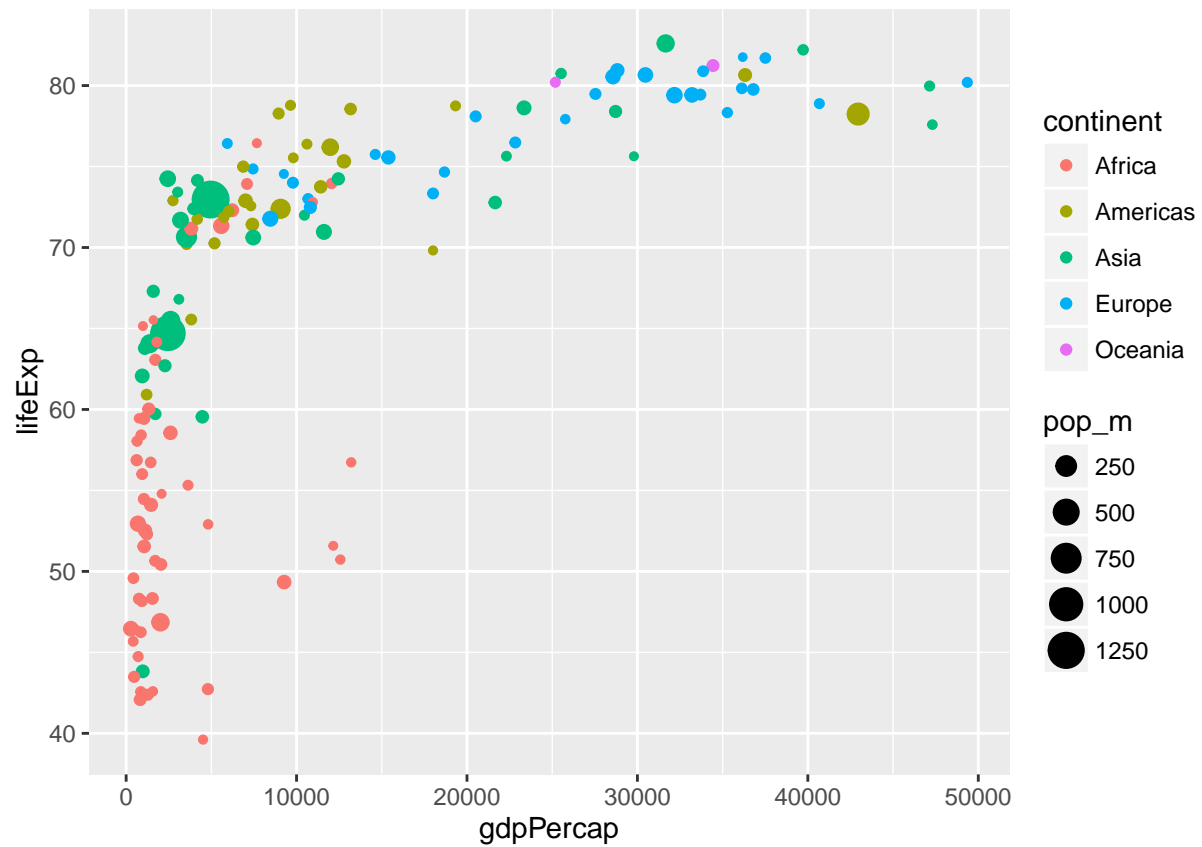
```
# add aesthetic of size by population
s = s +
  aes(size=pop_m)
s
```



```
# add aesthetic of color by continent  
s = s +  
  aes(color=continent)  
s
```



s



```
ggsave('hans.png')
```

```
## Saving 6.5 x 4.5 in image
```