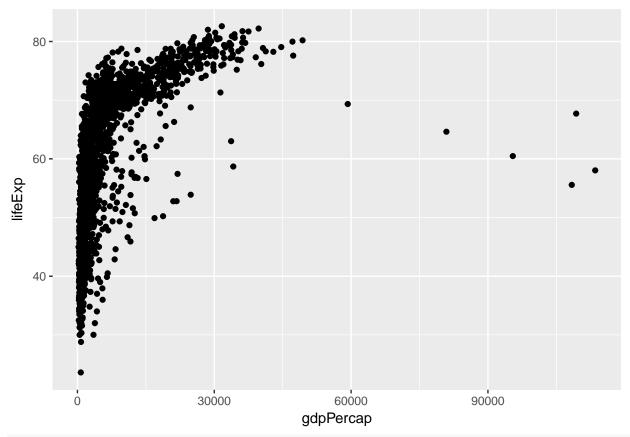
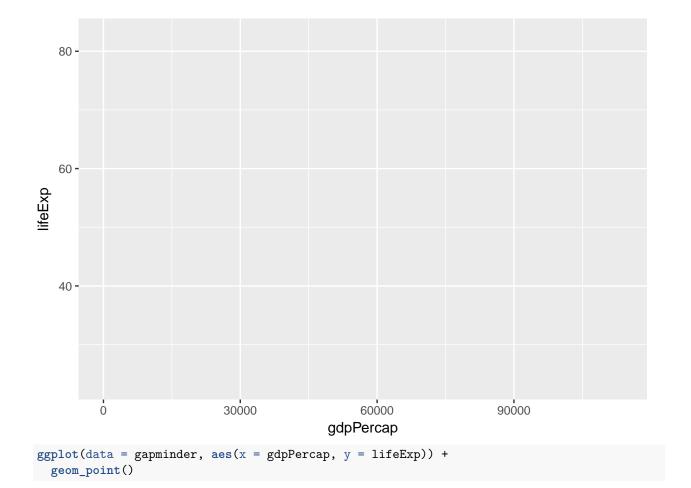
creating-publication-quality-graphs

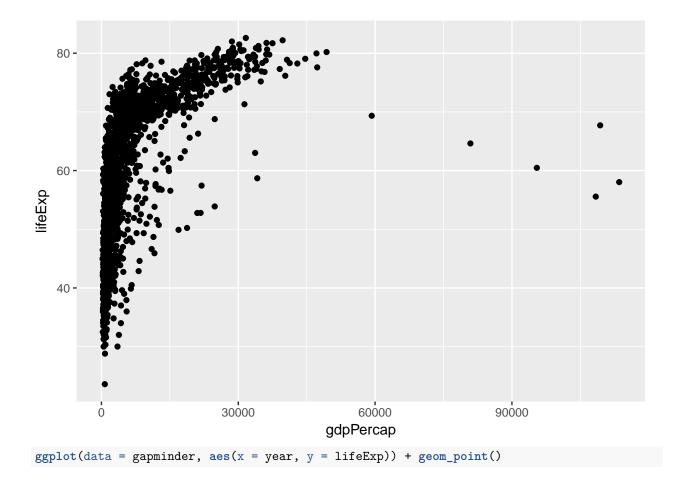
Haily Kil March 6, 2017

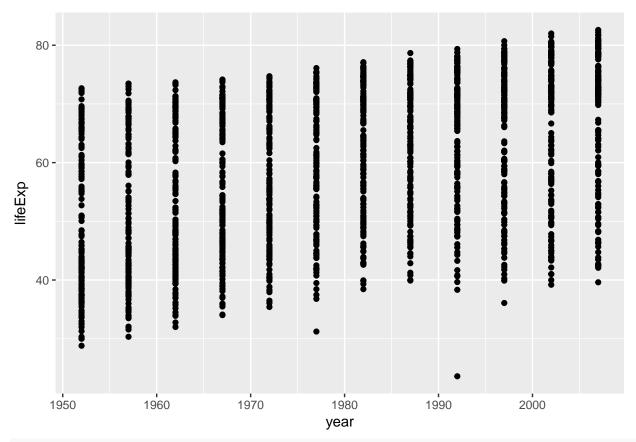
library("ggplot2")
gapminder <- read.csv("https://raw.githubusercontent.com/swcarpentry/r-novice-gapminder/gh-pages/_episo
ggplot(data = gapminder, aes(x = gdpPercap, y = lifeExp)) +geom_point()</pre>



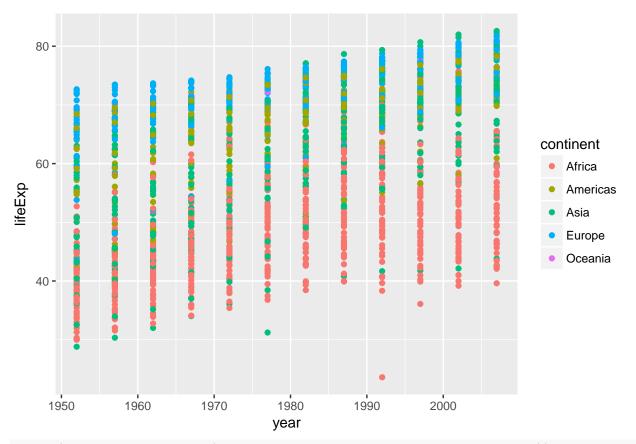
ggplot(data = gapminder, aes(x = gdpPercap, y = lifeExp))



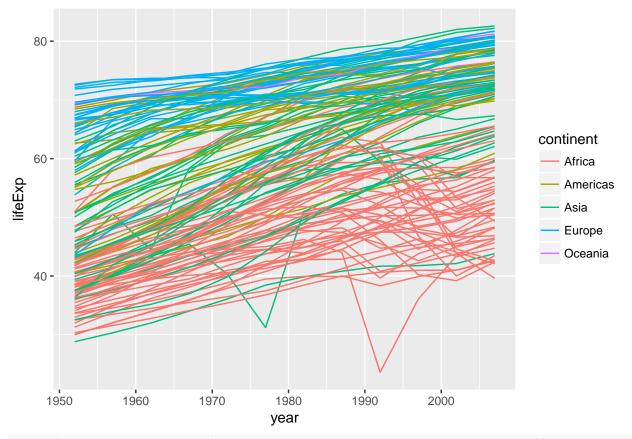




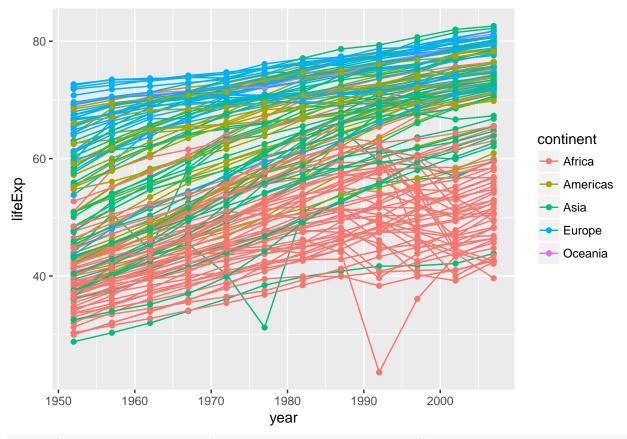
ggplot(data = gapminder, aes(x = year, y = lifeExp, color=continent)) +
geom_point()



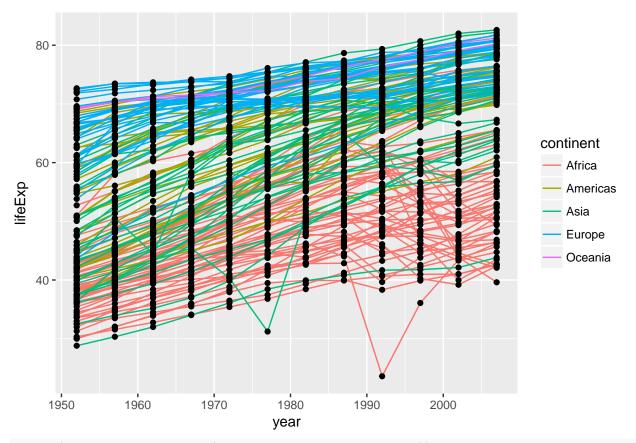
ggplot(data = gapminder, aes(x=year, y=lifeExp, by=country, color=continent)) +
 geom_line()



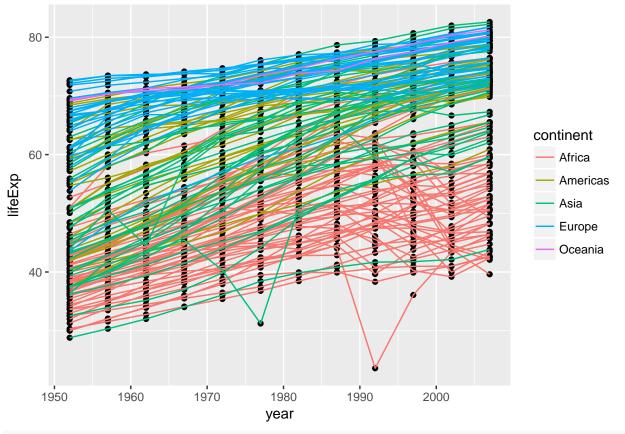
ggplot(data = gapminder, aes(x=year, y=lifeExp, by=country, color=continent)) +
geom_line() + geom_point()



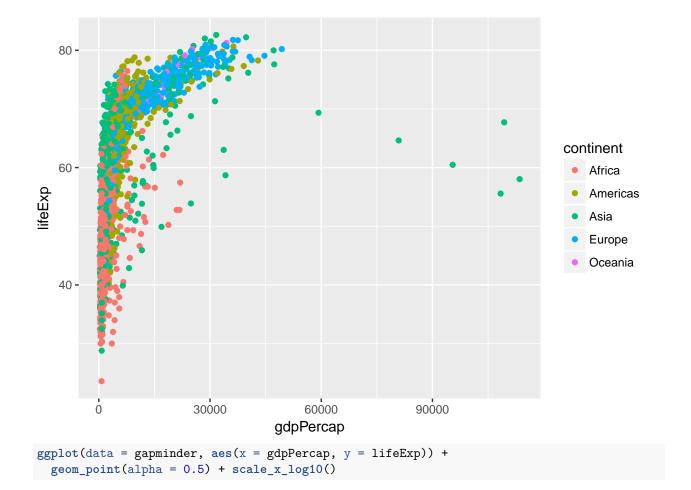
ggplot(data = gapminder, aes(x=year, y=lifeExp, by=country)) +
 geom_line(aes(color=continent)) + geom_point()

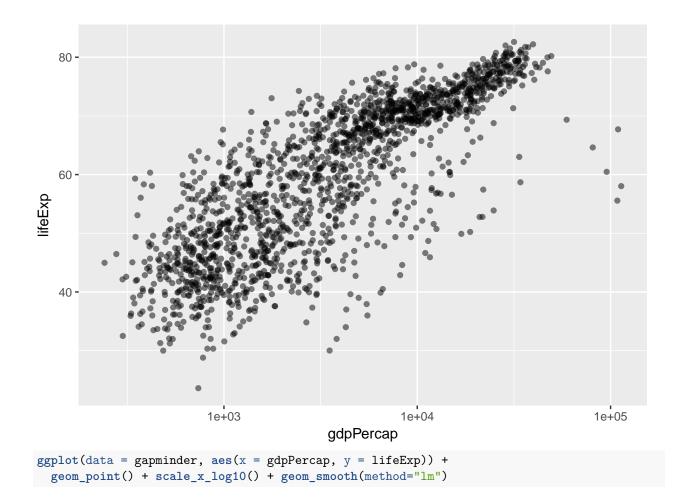


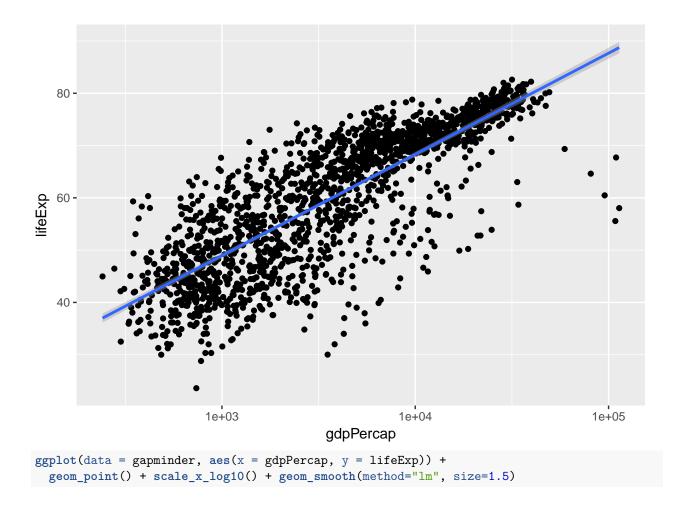
ggplot(data = gapminder, aes(x=year, y=lifeExp, by=country)) +
geom_point() + geom_line(aes(color=continent))

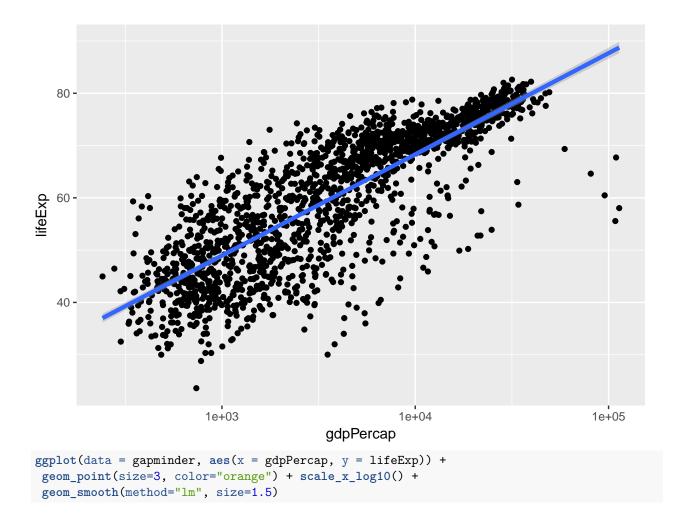


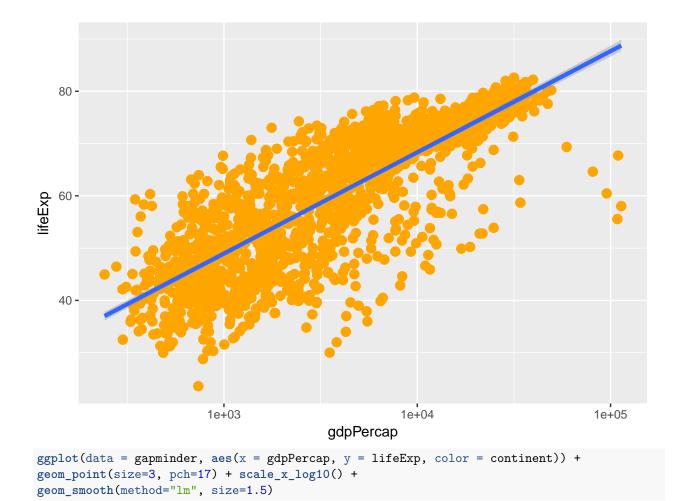
ggplot(data = gapminder, aes(x = gdpPercap, y = lifeExp, color=continent)) +
 geom_point()













```
starts.with <- substr(gapminder$country, start = 1, stop = 1)
az.countries <- gapminder[starts.with %in% c("A", "Z"), ]
ggplot(data = az.countries, aes(x = year, y = lifeExp, color=continent)) +
  geom_line() + facet_wrap( ~ country)</pre>
```

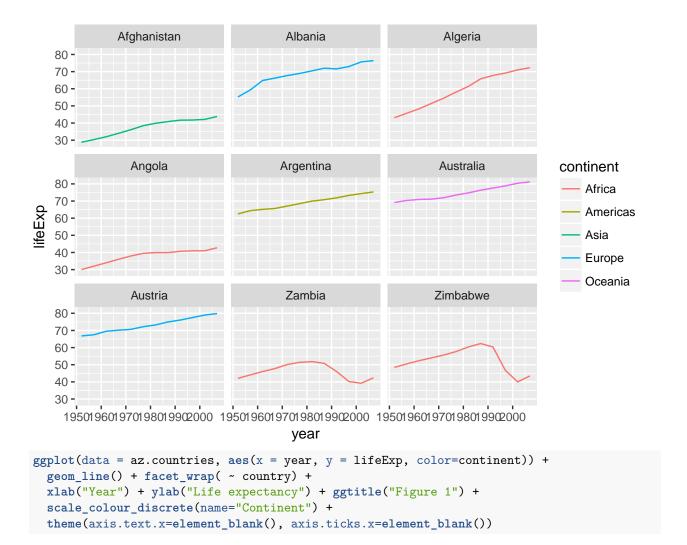
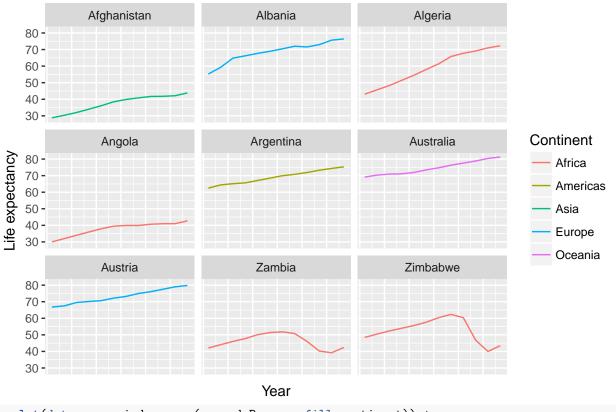


Figure 1



ggplot(data = gapminder, aes(x = gdpPercap, fill=continent)) +
geom_density(alpha=0.6) + facet_wrap(~ year) + scale_x_log10()

