**Exercise week 48: Andreas Stein Pedersen – a failed attempt at completing the full exercise for this week…**

1. **Visualize Global Development**

**Q1: why does it make sense to have a log10 scale on x axis?**

* Since the numbers for lifeExp and gdpPercap are so far from each other, it makes sense to make the x axis work on a ‘bigger’ scale (for lack of a better term).

**Q2: What country is the richest in 1952 (far right on x axis)**

*Use the following:*

subset(gapminder,year==1952)%>%

group\_by(country,gdpPercap) %>%

summarize(min\_gdpPercap=min(gdpPercap),

max\_gdpPercap=max(gdpPercap)) %>%

arrange(desc(max\_gdpPercap)) #stigende med desc

* Answer: Kuwait

**Q3: can you differentiate the continents by color and fix the axis labels?**

By using the following:

ggplot(subset(gapminder, year == 2007), aes(gdpPercap, lifeExp, size = pop)) +

geom\_point(alpha = 0.5, aes(color = continent)) +

scale\_x\_log10()

* By changing the geom\_point line we change the color scheme

**Q4: What are the five richest countries in the world in 2007?**

*Use the following (same as in Q2, this time with the year changed)*

subset(gapminder,year==2007)%>%

group\_by(country,gdpPercap) %>%

summarize(min\_gdpPercap=min(gdpPercap),

max\_gdpPercap=max(gdpPercap)) %>%

arrange(desc(max\_gdpPercap)) #stigende med desc

result:

1: Norway 2: Kuwait 3: Singapore 4: USA 5: Ireland

**Reflection:**

Sad to say that this is as far as I got. The whole process surrounding this week’s work has been incredibly frustrating and I only got this far (above) with the help of my group. I have spent a long time getting to this point and have decided to simply upload this instead of frustrating myself any further.