

**3.b.**

i. Australia, Switzerland, Iceland, Hong Kong China and Japan

**3.c.**

i. United States, China, Japan, India and Germany

ii. Japan

iii. Yes, there is more of an overlap. This tells us that generally a country with high life expectancy also has a high GDP per capita but this is not true with life expectancy and the total GDP of a country.

**3.d.**

i. Oceania

ii. Yes, it seems positively correlated with the median total GDP.

**4.a.**

i. No, this plot does not give a fair idea about the relationship between the two variables.

ii. Yes, this plot is a little clearer. Roughly the plot shows that the life expectancy declines with increasing total GDP.

iii. Yes, there is a cluster. Japan, Mexico, Brazil, China, India and United States lie outside the cluster.

iv. Yes, it looks much better. The points are visible and the label are separated from the points via a line segment.

v. Africa and Oceania are missing from the plot as their total GDP is less than 1 trillion.

**4.b.**

Overall, the plot shows that life expectancy increases with increase in the GDP per capita. For countries with very high GDP per capita, the life expectancy remains somewhere near 80.

**4.c.**

i. Oceania

ii. Asia

iii.

Africa	47.79
Americas	67.05
Asia	61.79
Europe	72.24
Oceania	73.66

**4.d**

The median GDP per capita for Oceania and Europe gradually increase a lot over time while that for Americas and Asia increase slightly over time and shows an uneven trend. The median GDP per capita for Africa remains almost constant.

i. Oceania and Europe have clearer trends than others probably because a number of countries in these continents have grown economically over time while only a few of the countries in the other continents have grown drastically and the others have not leading to a lower median.

ii. The mean GDP per capita for Asia is more than that of Americas, throughout, unlike the median for these two countries. This is probably because while there were countries in both continents with

no significant increase in GDP over time, the GDP for more countries in Asia increased heavily over the years, than that for Americas.

iii.

Americas	2002
Asia	1997
Europe	1997
Oceania	1992