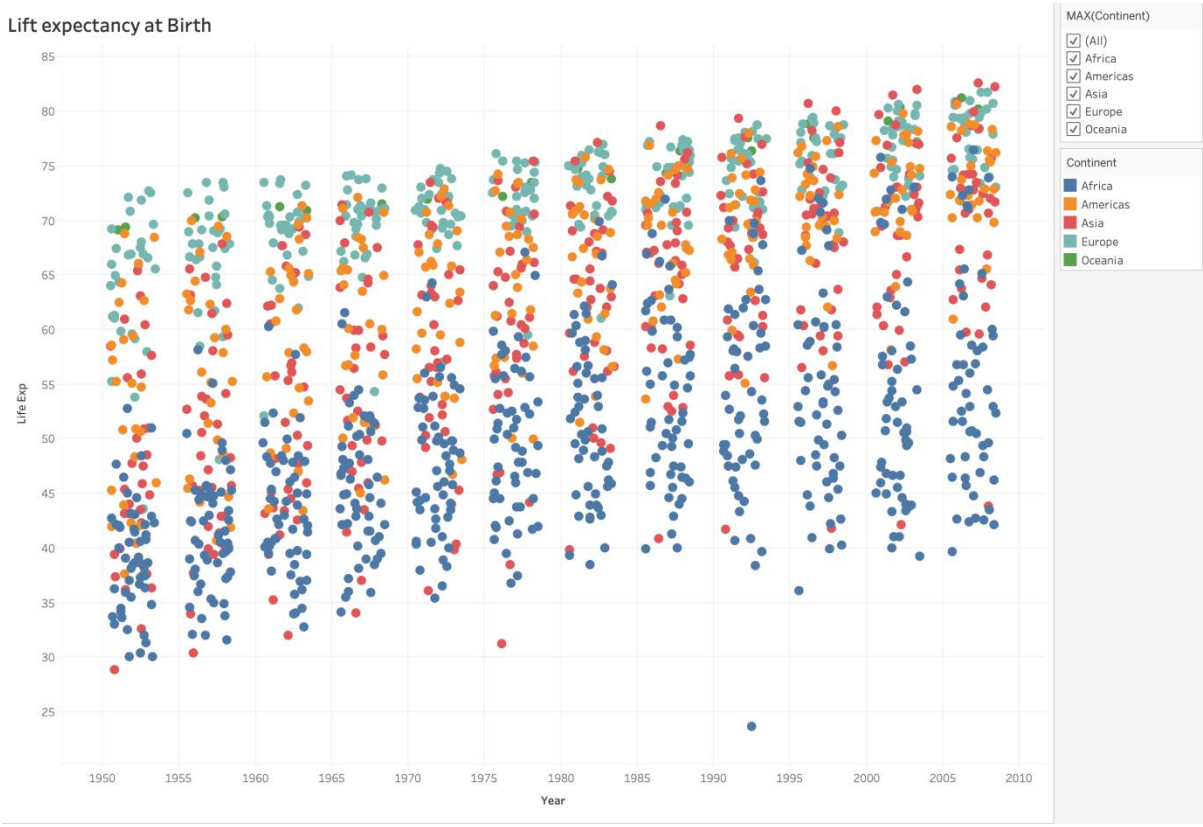
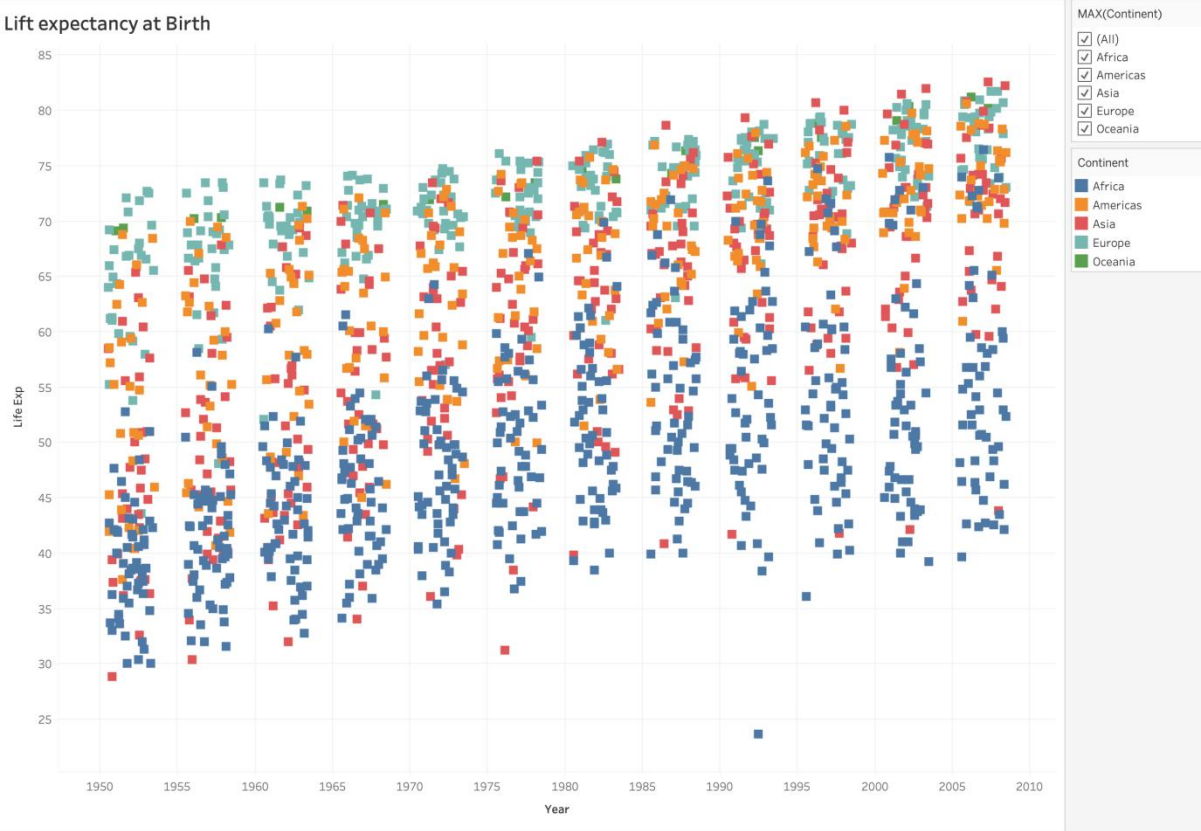
DECLARATION: I understand that this is an **individual** assessment and that collaboration is not permitted. I have read and I understand the plagiarism provisions in the General Regulations of the University Calendar for the current year, found at http://www.tcd.ie/calendar. I understand that by returning this declaration with my work, I am agreeing with the above statement.

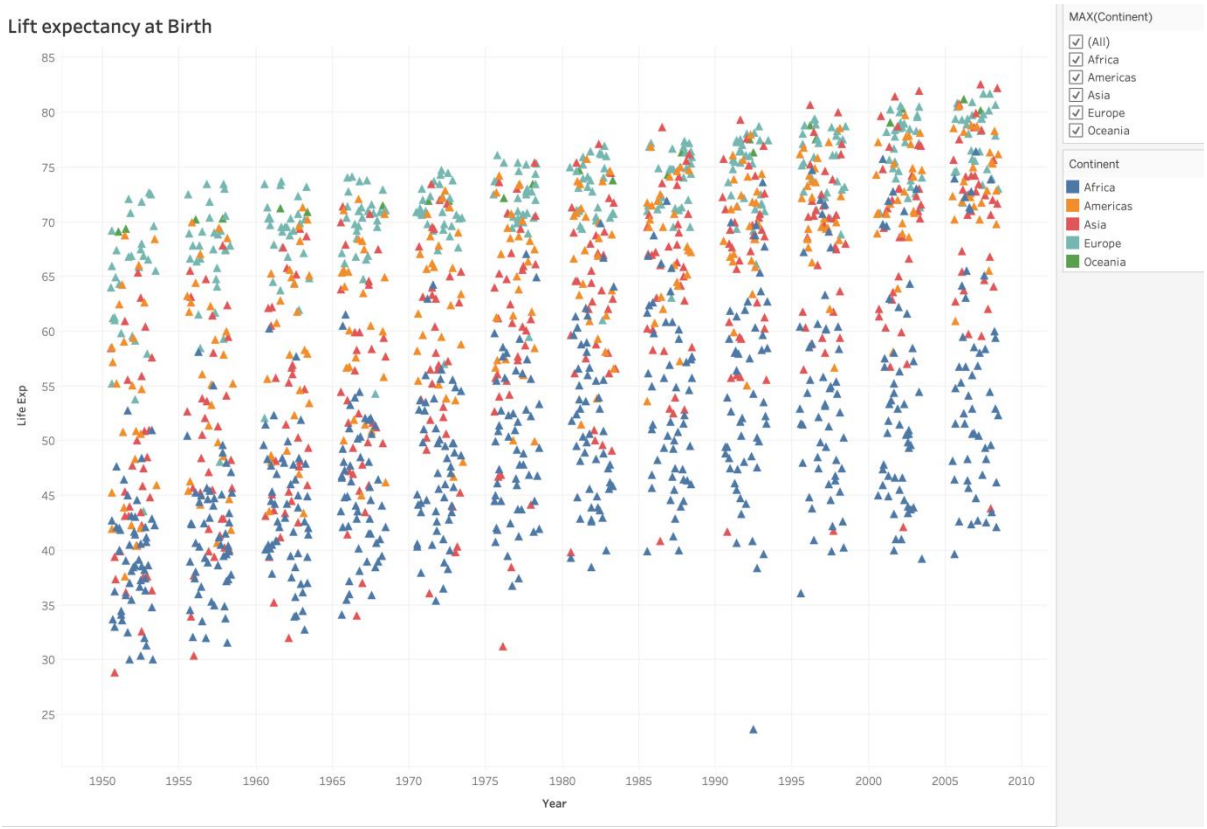
1. Introduction

I mainly use Tableau software to draw the pictures. For the first task, I encode year by x-position and life-expectancy by y-position and seperate the different contients by colors. Then I get 3 variants of the charts by changing the shape of the points. For the second task, I encode gdp percap by x-position and life expectancy by y-position and do the same as the first task. For the last task, I create 5 channels by different contients, encode year by x-position and life-expectancy by y-position. Every point is a country and the size means the population of a country, different colors means different gdps percap.

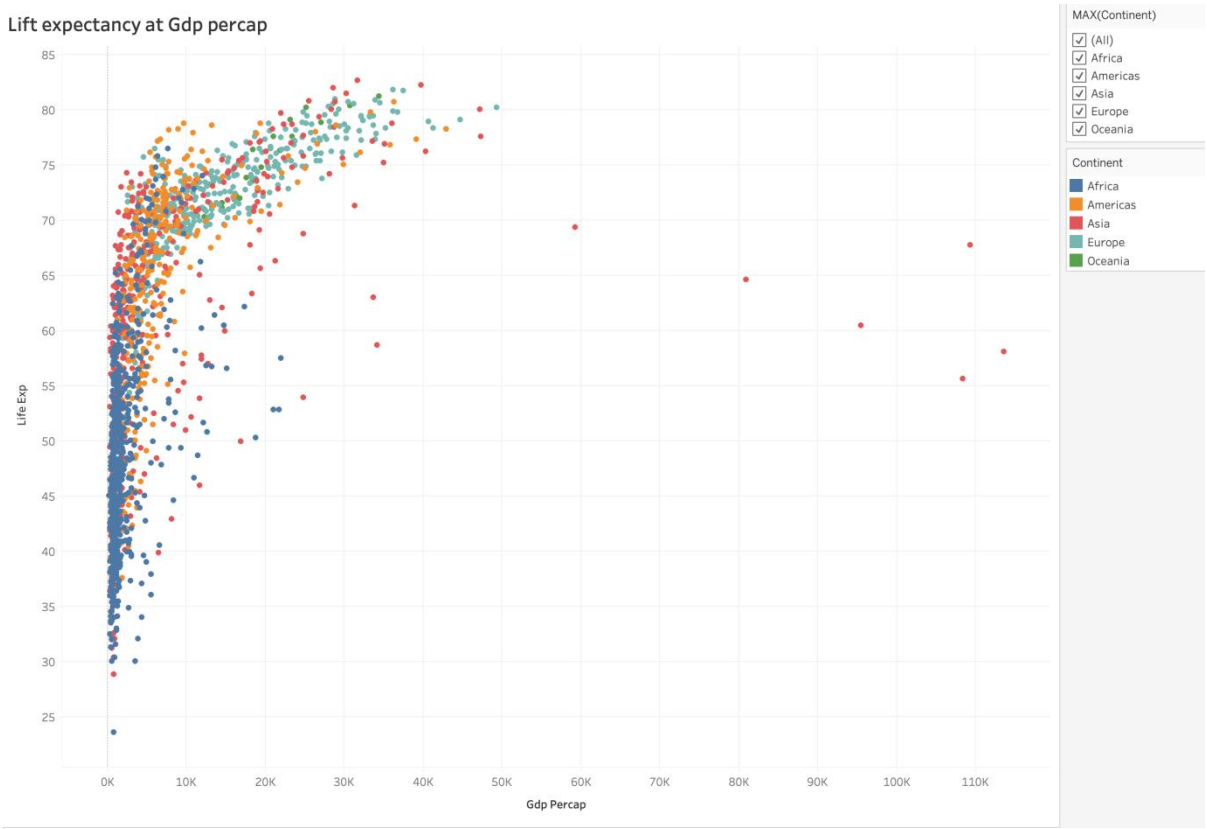
2. Task 1

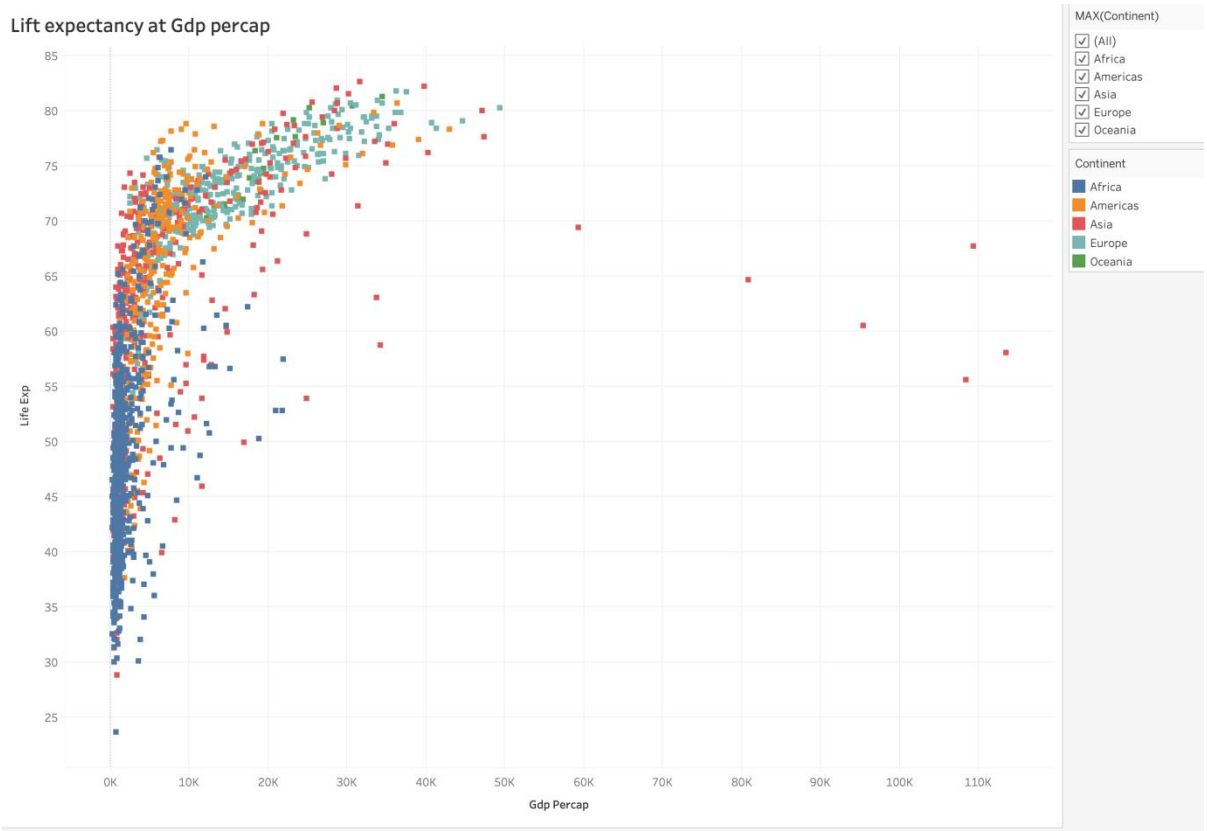


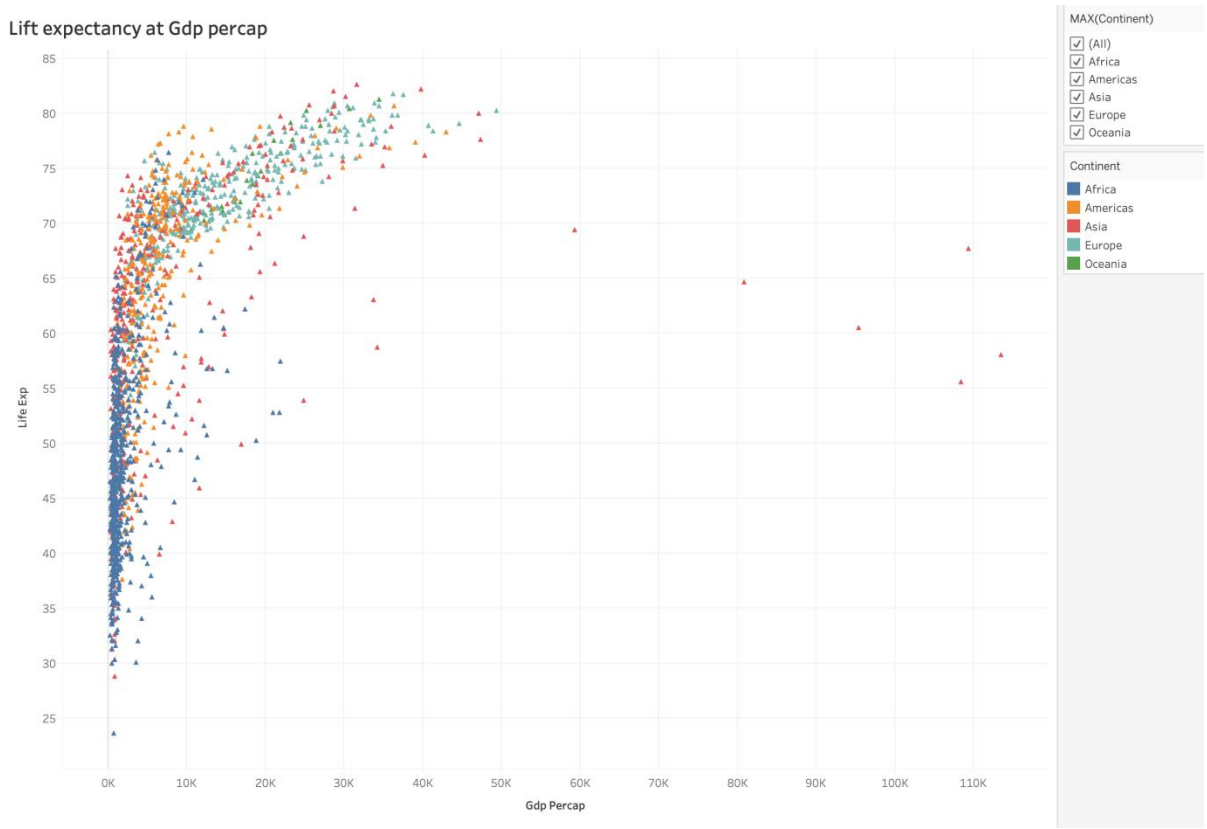

Lift expectancy at Birth
Life Exp
85
80
75
70
65
60
55
50
45
40
35
30
25
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
Year
MAX(Continent)
(All)
Africa
Americas
Asia
Europe
Oceania
Continent
Africa
Americas
Asia
Europe
Oceania


Lift expectancy at Birth
Life Exp
Year
MAX(Continent)
(All)
Africa
Americas
Asia
Europe
Oceania
Continent
Africa
Americas
Asia
Europe
Oceania

3. Task 2


Lift expectancy at Gdp percap
Life Exp
Gdp Percap
MAX(Continent)
(All)
Africa
Americas
Asia
Europe
Oceania
Continent
Africa
Americas
Asia
Europe
Oceania


Lift expectancy at Gdp percap
Life Exp
Gdp Percap
0K
10K
20K
30K
40K
50K
60K
70K
80K
90K
100K
110K
25
30
35
40
45
50
55
60
65
70
75
80
85
MAX(Continent)
(All)
Africa
Americas
Asia
Europe
Oceania
Continent
Africa
Americas
Asia
Europe
Oceania


Lift expectancy at Gdp percap
Life Exp
Gdp Percap
0K
10K
20K
30K
40K
50K
60K
70K
80K
90K
100K
110K
25
30
35
40
45
50
55
60
65
70
75
80
85
MAX(Continent)
(All)
Africa
Americas
Asia
Europe
Oceania
Continent
Africa
Americas
Asia
Europe
Oceania

4. Task 3

Continent
Africa
Americas
Asia
Europe
Oceania
Life Exp
85
80
75
70
65
60
55
50
45
40
35
30
25
1960
1980
2000
Year