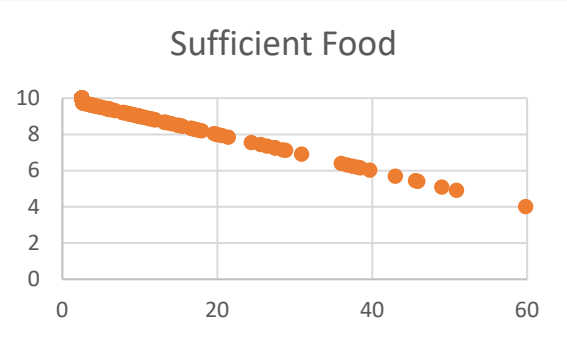
Indicator 1 – Sufficient Food

Formula:

F(X)=(100-X)/10 if 2.5≤X≤100

F(X)=10 if X<2.5, since FAO doesn't specify values <2.5.

X: % undernourished people



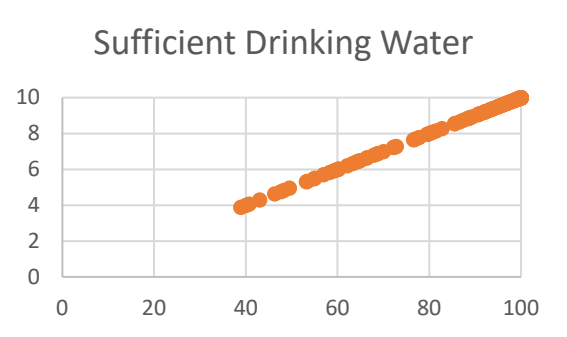
Indicator 2 – Sufficient Drinking Water

Formula:

F(X)=X/10

Range of validity: 0≤X≤100

X: Percentage of population using at least basic drinking water services (percent)



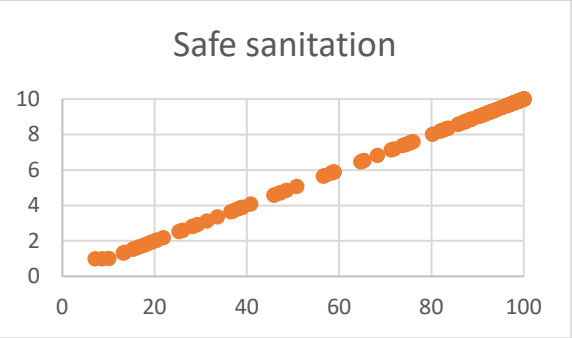
Indicator 3 – Safe Sanitation

Formula:

F(X)=X/10

Range of validity: 0≤X≤100

X: Percentage of population using at least basic sanitation services (percent)



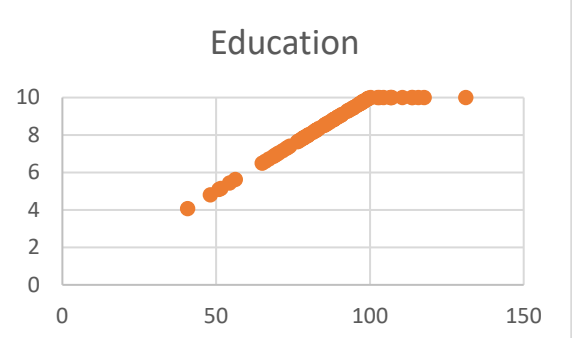
Indicator 4 – Education

Formula:

F(X)=X/10 if 0≤X≤100

F(X)=10 if X>100

X: Combined gross enrolment ratio, primary to tertiary, both sexes (%)



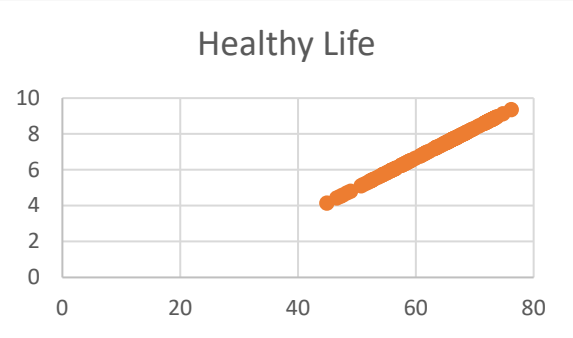
Indicator 5 – Healthy Life

Formula:

F(X)=((X-20)/60)*10

Range of validity: 20≤X≤80

X: Life expectancy at birth in number of healthy life years



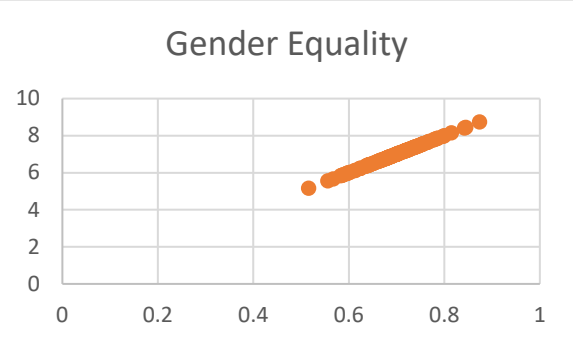
Indicator 6 – Gender Equality

Formula:

F(X)=X*10

Range of validity: 0≤X≤1

X: Gender Gap Index

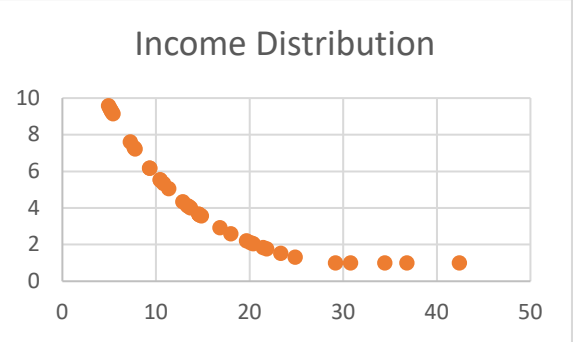


Indicator 7 – Income Distribution

Formula:

F(X)=EXP(-0.1*(X-4.5))*10 if 4.5≤X

X: Ratio of income share held by lowest 10% to income share held by highest 10%



Indicator 8 – Population Growth

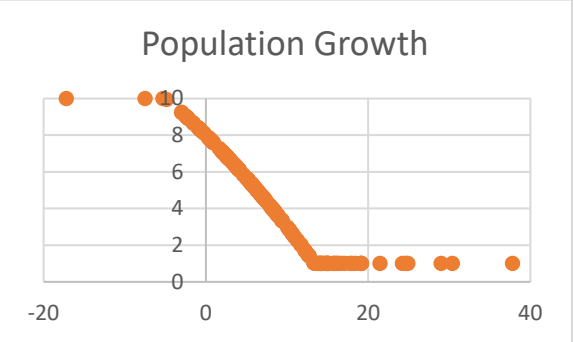
Formula:

F(X)=-0.0067*X2-0.4333*X+8 if -5<X<15

F(X)=1 if X≥15

F(X)=10 if X<-5

X: Average yearly 5-years change in Population, total



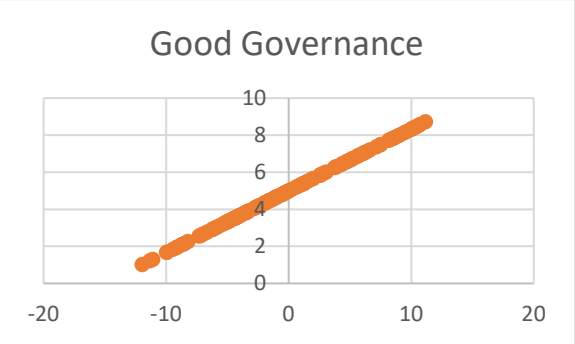
Indicator 9 – Good Governance

Formula:

F(X)=((X+15)/30)*10

Range of validity: -15≤X≤+15

X: Sum of the values of the six Worldwide Governance Indicators



Indicator 10 – Biodiversity

Formula:

F(X)=(F(X1)+F(X2))/2

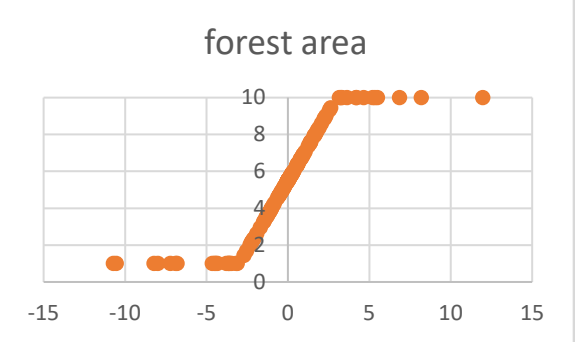
Forest Area:

F(X1)=0.15*X1*10+5.5 if -3<X1<3

F(X1)=10 if X1≥3

F(X1)=1 if X1<-3

X1: Forest area (% of land area)

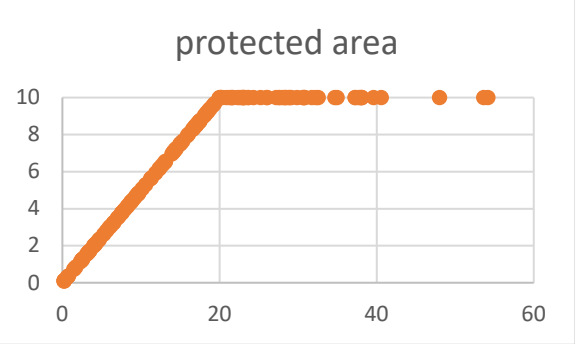


Protected Area:

F(X2)=X2/20*10 if X2<20

F(X2)=10 if X2≥20

X2: Terrestrial protected areas (% of total land area)



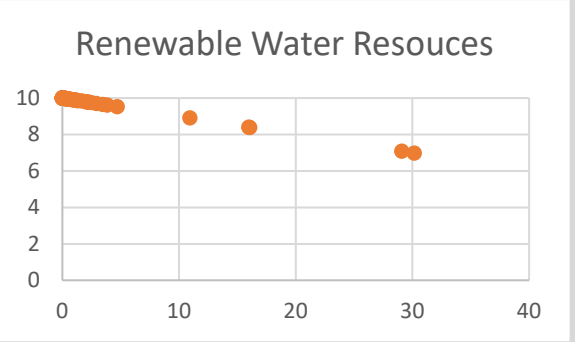
Indicator 11 – Renewable Water Resources

Formula:

F(X)=(100-X)/10 if X≤90

F(X)=1 if X>90

X: Total freshwater withdrawal



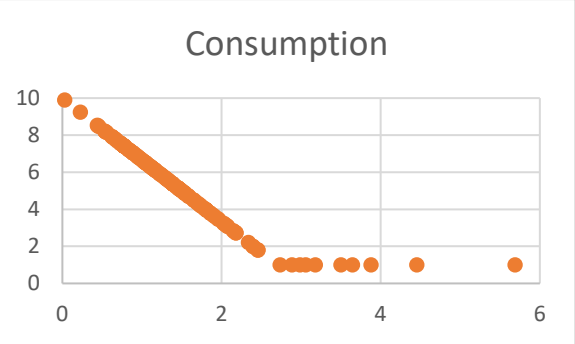
Indicator 12 – Consumption

Formula:

F(X)=10-3*X*2/1.8 if X≤2.7

F(X)=1 if X>2.7

X: Ecological Footprint (gha per person)



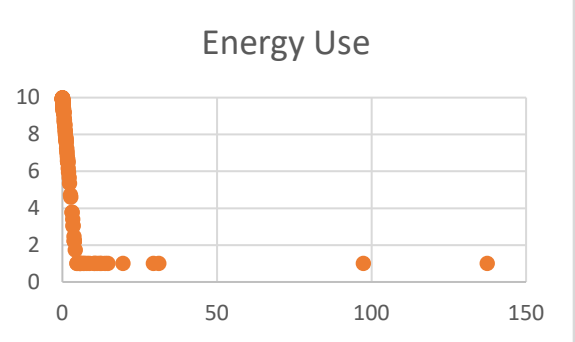
Indicator 13 – Energy Use

Formula:

F(X)=-2*X+10 if X≤5

F(X)=1 if X>5

X: Primary energy usage



Indicator 14 – Energy Savings

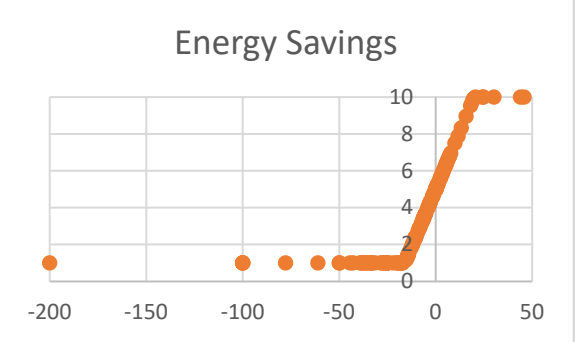
Formula:

F(X)=0.25*X+5 if -20≤X≤20

F(X)=1 if X<-20

F(X)=10 if X>20

X: Change in primary energy usage between 2012 and 2016 in %



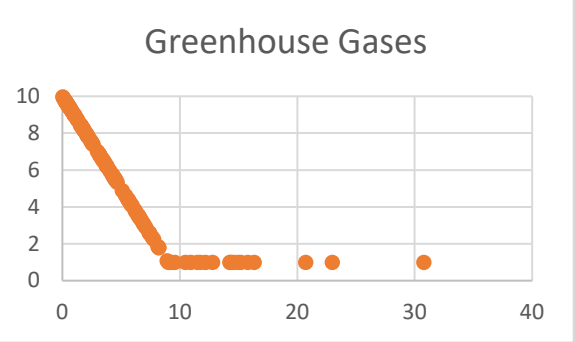
Indicator 15 – Greenhouse Gases

Formula:

F(X)=10-X if 0≤X≤9

F(X)=1 if X>9

X: Total CO_2 emissions - Fuel Combustion (Mt of CO_2)



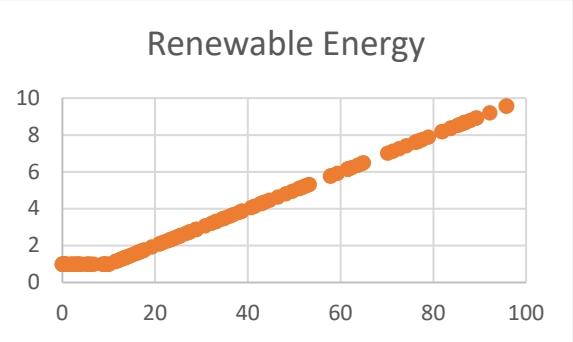
Indicator 16 –Renewable Energy

Formula:

F(X)=X/10 if 0≤X≤100

F(X)=10 if X>100

X: Renewable energy consumption (% of total final energy consumption)

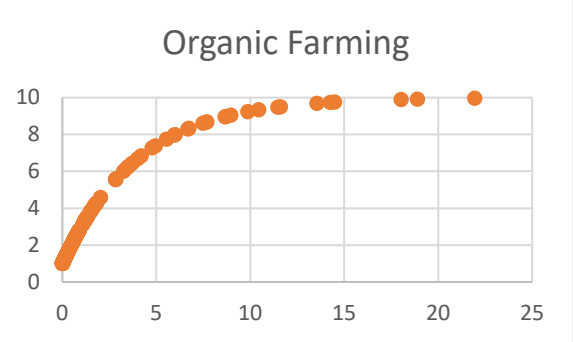


Indicator 17 – Organic Farming

Formula:

F(X)=9*(1-EXP(-0.25*X)) +1

X: organic area share of total farmland[%]

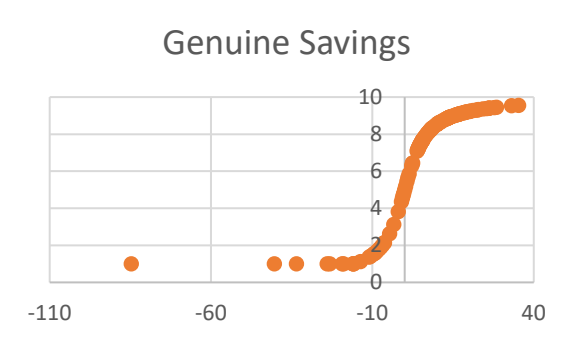


Indicator 18 – Genuine Savings

Formula:

F(X)=10*ARCTAN(0.2*X)/π +5

X: Adjusted net savings, including particulate emission damage (% of GNI)



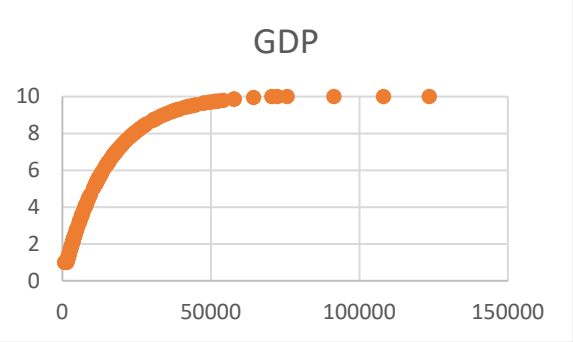
Indicator 19 – Gross Domestic Product

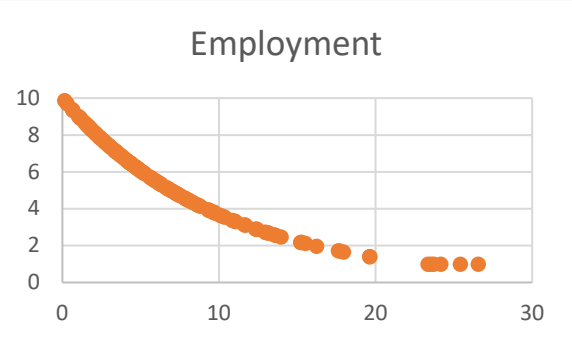
Formula:

F(X)=10*(1.01-EXP(-0.000065*X)) if 0≤X≤70000

F(X)=10 if X>70000

X: GDP per capita, PPP (current international $)



Indicator 20 – Employment *Formula:* F(X)=EXP(-0.1*X)*10 if 0≤X≤60 F(X)=1 if X>60 X: Unemployment, total (% of total labor force) (modeled ILO estimate)	
Indicator 21 – Public Debt *Formula:* F(X)=-3.8*ARCTAN(0.06*X-3.5)+5 if 2.5≤X<117 F(X)=1 if X≥117 F(X)=10 if X<2.5 General Government liabilities or debt + loans or net lending