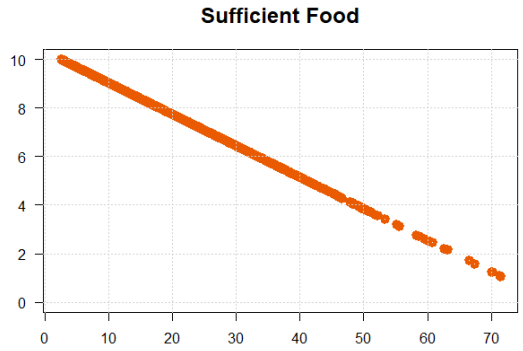
Indicator 1 – Sufficient Food

Formula:

F(X) = ((X-72)/-69.5)*9+1

Range of validity: 2.5≤X≤100

X: Prevalence of undernourishment (% of population)



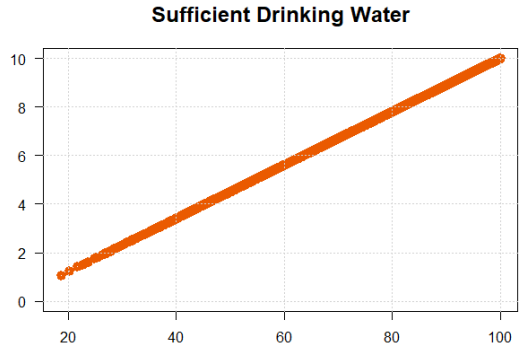
Indicator 2 – Sufficient Drinking Water

Formula:

F(X) = ((X-18)/82)*9+1

Range of validity: 0≤X≤100

X: People using at least basic drinking water services (% of population)



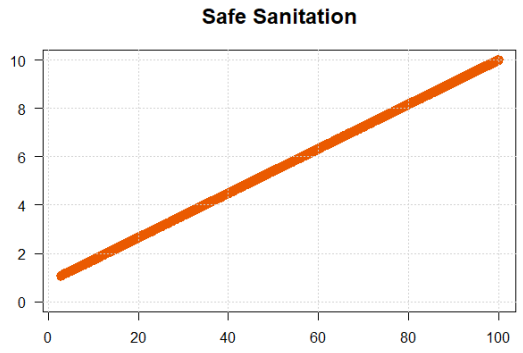
Indicator 3 – Safe Sanitation

Formula:

F(X) = ((X-2)/98)*9+1

Range of validity: 0≤X≤100

X: People using at least basic sanitation services (% of population)



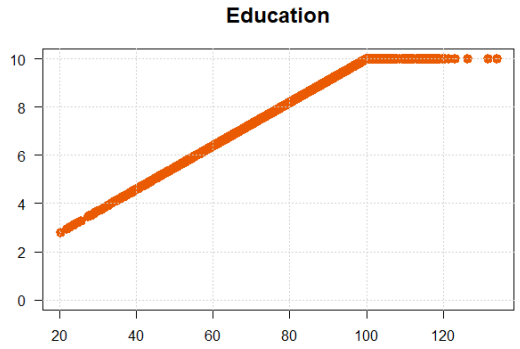
Indicator 4 – Education

Formula:

F(X) = X*9/100+1 if 0≤X≤100

F(X)=10 if X>100

X: Gross enrolment ratio, primary and secondary, both sexes (%)



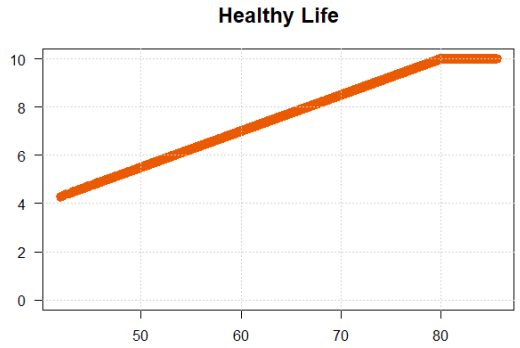
Indicator 5 – Healthy Life

Formula:

F(X) = X*9/60-2

Range of validity: 20≤X≤80

X: Life expectancy at birth, total (years)



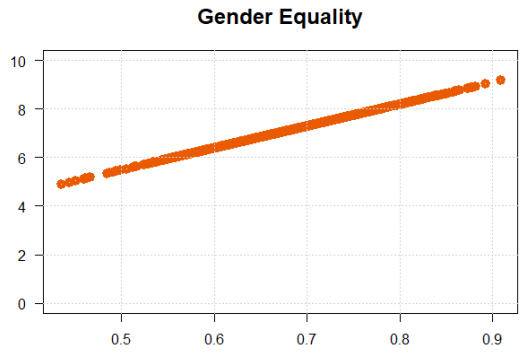
Indicator 6 – Gender Equality

Formula:

F(X) = 9*X +1

Range of validity: 0≤X≤1

X: Gender Gap Index



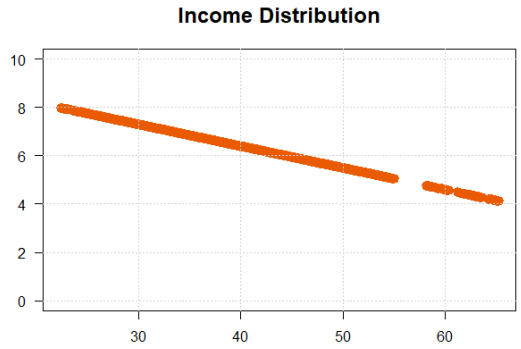
Indicator 7 – Income Distribution

Formula:

F(X) = ((100-X)/100)*9+1

Range of validity: 0≤X≤100

X: GINI



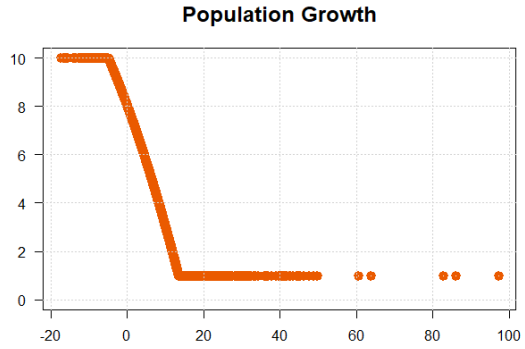
Indicator 8 – Population Growth

Formula:

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

F(X)=1 if X≥15; F(X)=10 if X<-5

X: Population growth over 5 years based on Population growth (annual %)



Indicator 9 – Good Governance

Formula:

F(X) = 3/10*X+5.5

Range of validity: -15≤X≤+15

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

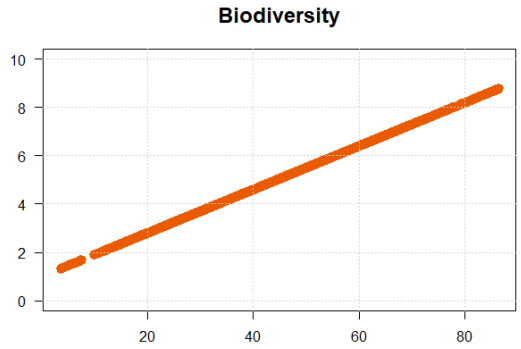
Indicator 10 – Biodiversity

Formula:

F(X) = X*9/100+1

Range of validity: 0≤X≤100

X: Biodiversity & Habitat (BDH) of EPI



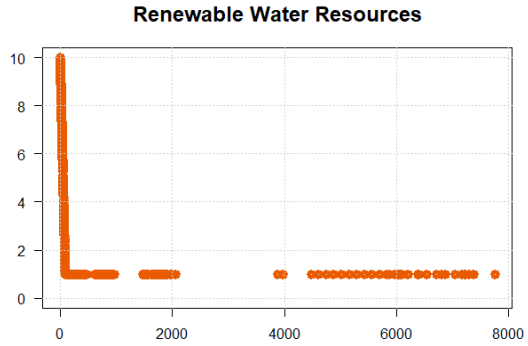
Indicator 11 – Renewable Water Resources

Formula:

F(X) = -X/10+10 if X≤90

F(X)=1 if X>90

X: Freshwater withdrawal as % of total renewable water resources



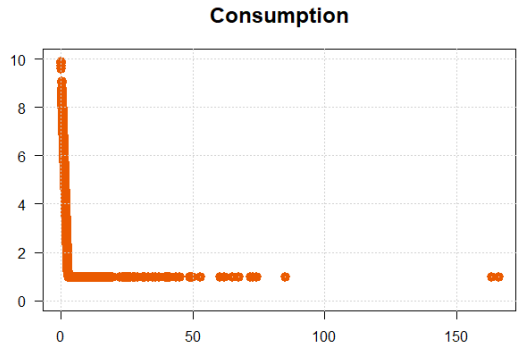
Indicator 12 – Consumption

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) – total



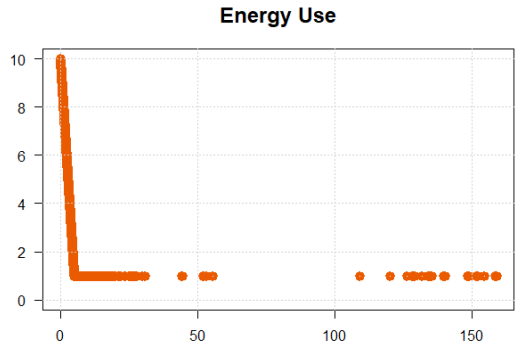
Indicator 13 – Energy Use

Formula:

S = -X*9/5+10 if X≤5

F(X)=1 if X>5

X: Primary energy usage - Consumption (Total) – MTOE



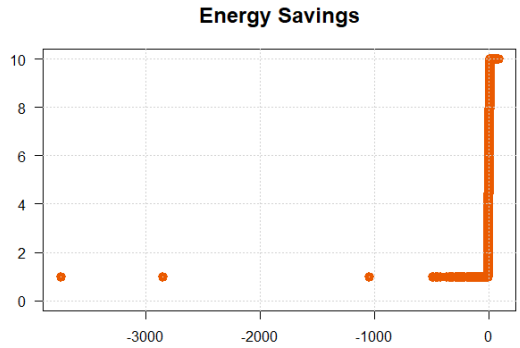
Indicator 14 – Energy Savings

Formula:

F(X) = X*9/20+5.5 if -20≤X≤20

F(X)=1 if X<-20; F(X)=10 if X>20

X: Change in primary energy usage over 5 years in %



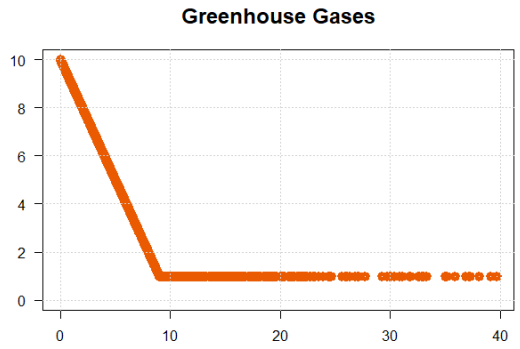
Indicator 15 – Greenhouse Gases

Formula:

F(X) = -X+10 if 0≤X≤9

F(X)=1 if X>9

X: CO2 / Population (tCO2 per capita)



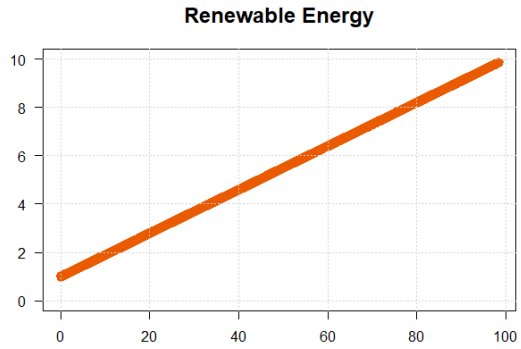
Indicator 16 –Renewable Energy

Formula:

F(X) = X*9/100 + 1

Range of validity: 0≤X≤100

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



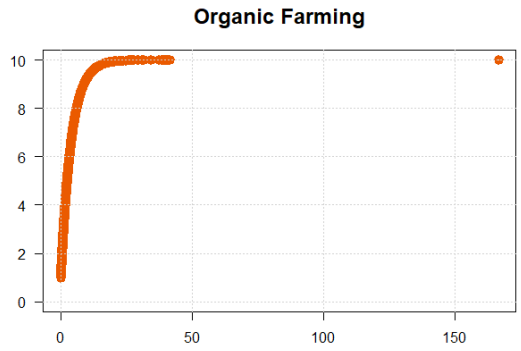
Indicator 17 – Organic Farming

Formula:

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

Range of validity: 0≤X≤100

X: Organic area share of total farmland [%]



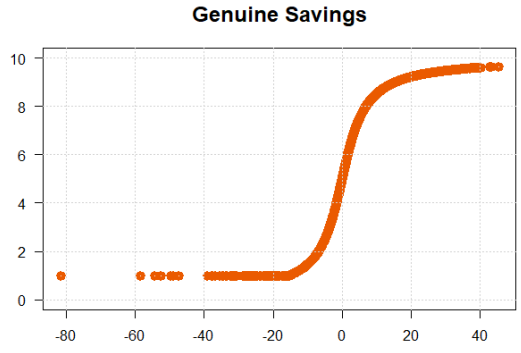
Indicator 18 – Genuine Savings

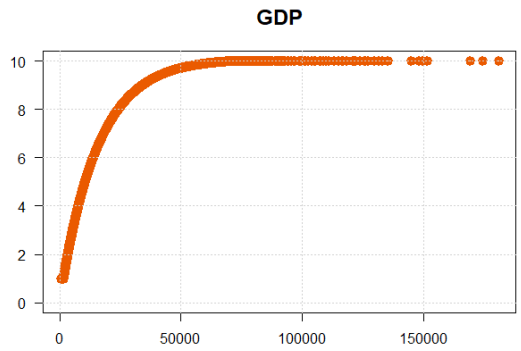
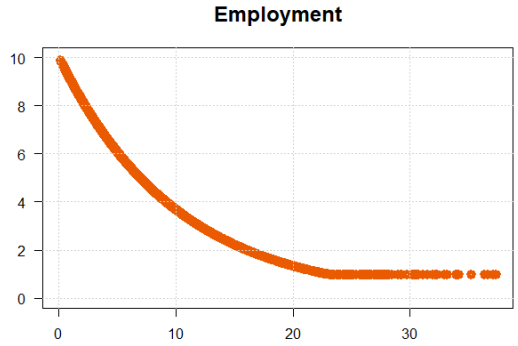
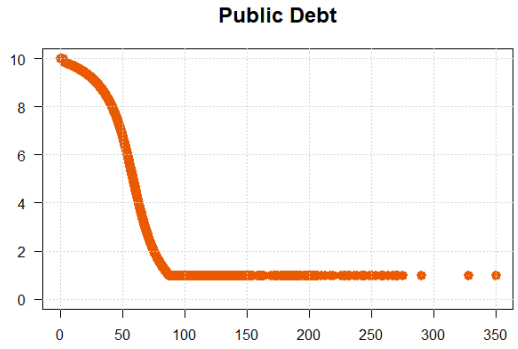
Formula:

F(X) = 10*ARCTAN(0.2*X)/π+5

if (F(X) < 1 then F(X) = 1

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 X: Gross Debt	

Categories and dimensions are aggregated by geometric mean with equal weights. If a value is missing, its weight is equally distributed onto the other values of its aggregate.