**ExpAges (results in overallvalues excel sheet)**

N = number of expAges to generated

For x = 0; x<N;x++

x= Random(0,289355) //Generate random value between 0 and 289355

If x < 122004:

expAge = 0

ElIf x < 156484:

expAge = Generate expAge value from fisk distribution (c=0.88945,loc=1,scale=2600.7)

ElIf x < 160381

expAge = Generate random expAge between [36001, 42000]

ElIf x < 162203

expAge = Generate random expAge [43201,79200]

ElIf x < 176796

expAge = Generate random expAge [79201,86400]

ElIf x < 177367

expAge = Generate random expAge [86401,165600]

ElIf x < 179332

expAge = Generate random expAge [165601,172800]

ElIf x < 179788

expAge = Generate random expAge [172801,252000]

ElIf x < 181320

expAge = Generate random expAge [252001,259200]

ElIf x < 182440

expAge = Generate random expAge [259201,424800]

ElIf x < 183139

expAge = Generate random expAge [424801,432000]

ElIf x < 183985

expAge = Generate random expAge [432001,597600]

ElIf x < 199734

expAge = Generate random expAge [597601,604800]

Else

Value over 604,800. Only concerned with values less than or equal to week. Generate a different expAge (generate another random number and try to map it to the appropriate expAge range again).

//Output expAge

**respSizes (results in overallvalues excel sheet)**

Distribution follows a weibull distribution(a= 0.57264, c = 0.50556451275314185, scale = 8887.5)

N = number of respSizes to generated

For x = 0; x<N;x++

respSize = weibull (a= 0.57264, c = 0.50556451275314185, scale = 8887.5)

//Output respSize