```
 DATASET ACTIVATE DataSet1.
DATASET ACTIVATE DataSet1.

*Create simulation plan.
FILE HANDLE simplan_399814 /NAME=
    'C:\Users\mukis\AppData\Local\IBM\SPSS\Statistics\27\SimulationPlan_17.splan'.
SIMPLAN CREATE
 /CONTINGENCY MULTIWAY=NO
 /SIMINPUT INPUT=AdultMortality(FORMAT=F,2) OUTPUT=YES TYPE=MANUAL(LOCK=NO SAVEASFITTED=Y
ES)
    DISTRIBUTION=WEIBULL(A=181.134387050603 B=1.29347610473633 C=0 )
 /SIMINPUT INPUT=GDP(FORMAT=F,2) OUTPUT=YES TYPE=MANUAL(LOCK=NO SAVEASFITTED=YES)
    DISTRIBUTION=LNORMAL(A=1504.84834773329 B=1.75126793281061 )
 /SIMINPUT INPUT=Lifeexpectancy(FORMAT=F,2) OUTPUT=YES TYPE=MANUAL(LOCK=NO SAVEASFITTED=Y
ES)
    DISTRIBUTION=WEIBULL(A=73.0102133178515 B=9.61202239990234 C=0 )
 /AUTOFIT NCASES=ALL FIT=AD BINS=100
 /STOPCRITERIA MAXCASES=100000
 /MISSING CLASSMISSING=EXCLUDE
 /PLAN FILE=simplan_399814 DISPLAY=YES.
```

Simulation Plan

Notes

Output Created		09-SEP-2024 15:22:16
Comments		
Input	Data	C:\Users\mukis\OneDrive\Desktop\RUTH\Life Expectancy Data.csv
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1649

Notes

Syntax		SIMPLAN CREATE /CONTINGENCY MULTIWAY=NO /SIMINPUT INPUT=AdultMortality (FORMAT=F,2) OUTPUT=YES TYPE=MANUAL (LOCK=NO SAVEASFITTED=YES) DISTRIBUTION=WEIBUL L(A=181.134387050603 B=1.29347610473633 C=0) /SIMINPUT INPUT=GDP (FORMAT=F,2) OUTPUT=YES TYPE=MANUAL (LOCK=NO SAVEASFITTED=YES) DISTRIBUTION=LNORM AL(A=1504.84834773329 B=1.75126793281061) /SIMINPUT INPUT=Lifeexpectancy (FORMAT=F,2) OUTPUT=YES TYPE=MANUAL (LOCK=NO SAVEASFITTED=YES) DISTRIBUTION=WEIBUL L(A=73.0102133178515 B=9.61202239990234 C=0) /AUTOFIT NCASES=ALL FIT=AD BINS=100 /STOPCRITERIA MAXCASES=100000 /MISSING CLASSMISSING=EXCLU DE /PLAN FILE=simplan_399814 DISPLAY=YES.
Resources	Processor Time	00:00:00.03
	Elapsed Time	00:00:00.05

Notes

Files Saved	Simulation Plan File	C:\Users\mukis\AppData\Local\IBM\SPSS\Statistics\27\SimulationPlan_17.splan

Model Type: None

	Label	Simulation Role	Type	Measurement Level	Format	Filters Min
AdultMortality		Input	Numeric	Scale	F,2	.
GDP		Input	Numeric	Scale	F,2	.
Lifeexpectancy		Input	Numeric	Scale	F,2	.

Model Type: None

	Filters Max
AdultMortality	.
GDP	.
Lifeexpectancy	.

Input Distributions

			Parameter Value
AdultMortality	Weibull	a	181.134
		b	1.293
		c	.000
GDP	Lognormal	a	1504.848
		b	1.751
Lifeexpectancy	Weibull	a	73.010
		b	9.612
		c	.000

Correlations

	AdultMortality	GDP	Lifeexpectancy
AdultMortality	1.000	-.255	-.703
GDP	-.255	1.000	.441
Lifeexpectancy	-.703	.441	1.000

Stopping Criteria

Maximum cases	100000

```
 *Run simulation plan.
DATASET DECLARE DataSet5.
SIMRUN
 /PLAN FILE=simplan_399814
 /CRITERIA  REPRESULTS=TRUE  SEED=629111597
 /PRINT ASSOCIATIONS=YES DESCRIPTIVES=YES PERCENTILES=NO
 /OUTFILE FILE=DataSet5.
```

Simulation Run

Notes

Output Created		09-SEP-2024 15:22:16
Comments		
Input	Data	C:\Users\mukis\OneDrive\Desktop\RUTH\Life Expectancy Data.csv
	Active Dataset	DataSet1
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	1649
Syntax		SIMRUN /PLAN FILE=simplan_399814 /CRITERIA REPRESULTS=TRUE SEED=629111597 /PRINT ASSOCIATIONS=YES DESCRIPTIVES=YES PERCENTILES=NO /OUTFILE FILE=DataSet5.
Resources	Processor Time	00:00:00.23
	Elapsed Time	00:00:00.13
Files Saved	Simulated Cases File	DataSet5

Simulation Summary

Maximum cases	100000
Total simulated cases	100000

Simulation Plan File: C:\Users\mukis\AppData\Local\IBM\SPSS\Statistics\27\SimulationPlan_17.splan
Cases may be filtered because of either targets or inputs that are outside of the specified ranges. Filtered cases are not included in the simulated cases count.

Descriptive Statistics of Scale Inputs

	Mean	Std. Deviation	Minimum	Maximum
AdultMortality	167.681	130.765	.01	1268.53
GDP	6847.248	29032.543	.81	2730883.86
Lifeexpectancy	69.320	8.662	19.72	95.69

Correlations

	AdultMortality	GDP	Lifeexpectancy
AdultMortality	1.000	-.179	-.689
GDP	-.179	1.000	.136
Lifeexpectancy	-.689	.136	1.000

Correlations between simulated inputs may differ from correlations specified for those inputs in the simulation plan.