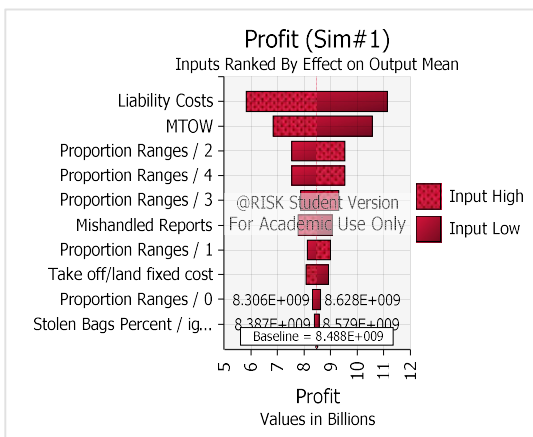
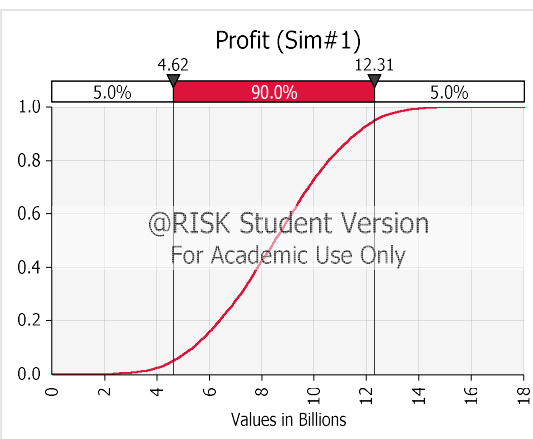
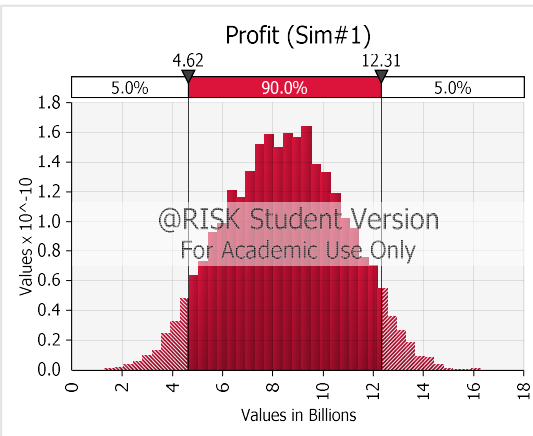


# @RISK Output Report for Profit B9 (Sim#1)

Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:32:31 PM



Simulation Summary Information	
Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled

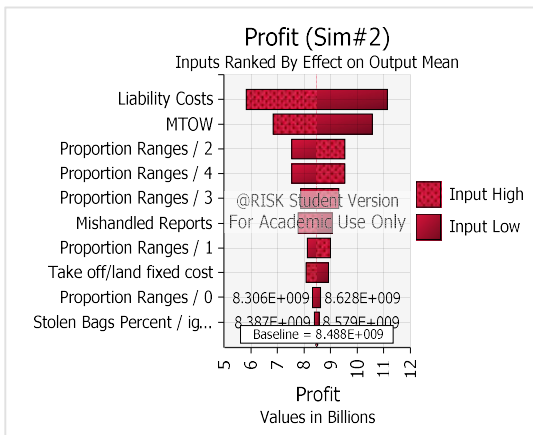
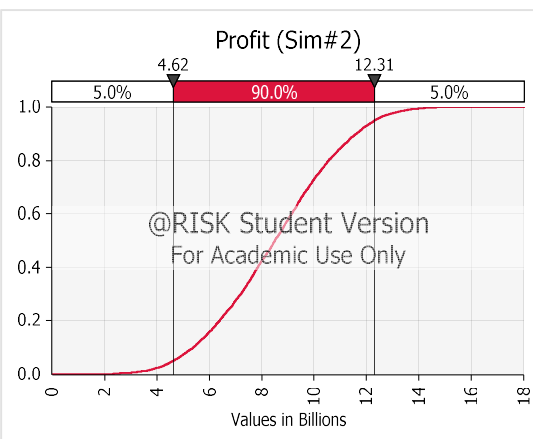
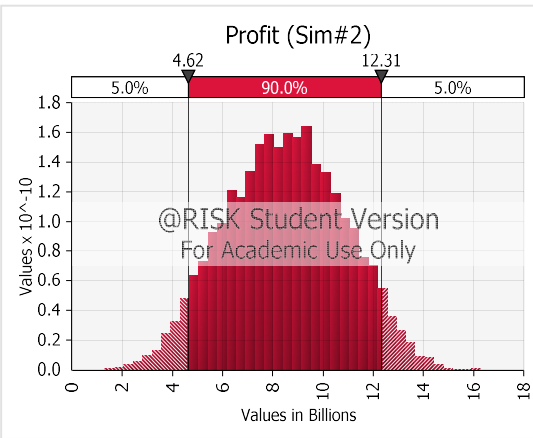
Summary Statistics for Profit			
Statistics		Percentile	
Minimum	1,303,810,990.98	1.0%	3,312,514,756.88
Maximum	16,289,114,452.13	2.5%	4,044,613,899.27
Mean	8,487,555,545.24	5.0%	4,620,221,120.93
Std Dev	2,350,014,523.87	10.0%	5,384,215,818.71
Variance	5.52257E+18	20.0%	6,384,925,328.70
Skewness	-0.010220204	25.0%	6,804,451,635.68
Kurtosis	2.566863385	50.0%	8,498,313,467.08
Median	8,498,313,467.08	75.0%	10,152,417,598.68
Mode	8,794,459,867.28	80.0%	10,551,348,308.37
Left X	4,620,221,120.93	90.0%	11,610,777,467.67
Left P	5%	95.0%	12,311,277,655.64
Right X	12,311,277,655.64	97.5%	12,925,714,183.31
Right P	95%	99.0%	13,619,350,129.20
#Errors	0		

Change in Output Statistic for Profit			
Rank	Name	Lower	Upper
1	Liability Costs	5,831,141,706.39	11,128,306,890.15
2	MTOW	6,843,603,348.10	10,564,910,379.46
3	Proportion Ranges / 2	7,535,521,650.62	9,531,840,779.84
4	Proportion Ranges / 4	7,529,322,910.59	9,525,627,394.07
5	Proportion Ranges / 3	7,866,257,137.52	9,300,284,636.04
6	Mishandled Reports	7,782,571,297.28	9,055,618,701.81
7	Proportion Ranges / 1	8,113,522,569.64	8,981,796,130.50
8	Take off/land fixed cost	8,082,236,279.00	8,934,387,907.46
9	Proportion Ranges / 0	8,306,179,119.57	8,628,090,946.36
10	Stolen Bags Percent / ignore for now	8,387,025,529.78	8,579,038,532.81

# @RISK Output Report for Profit B9 (Sim#2)

Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:32:38 PM



Simulation Summary Information	
Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled

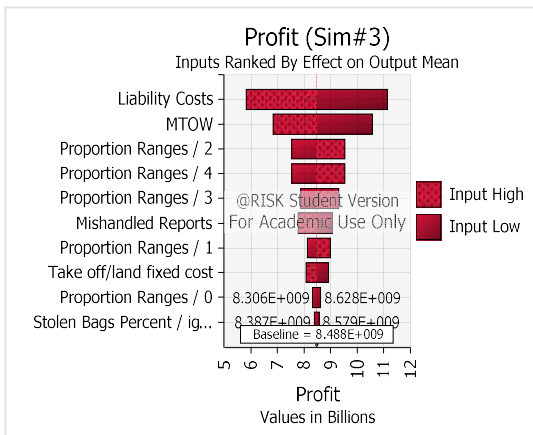
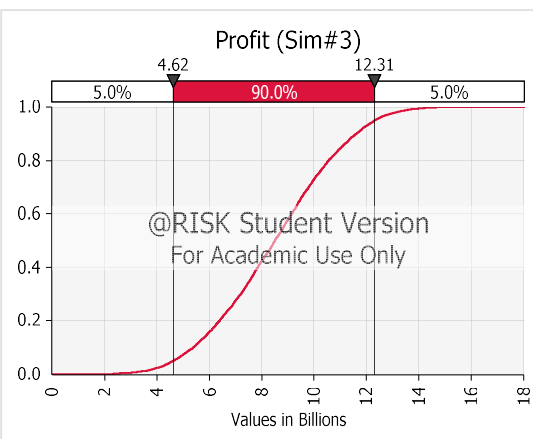
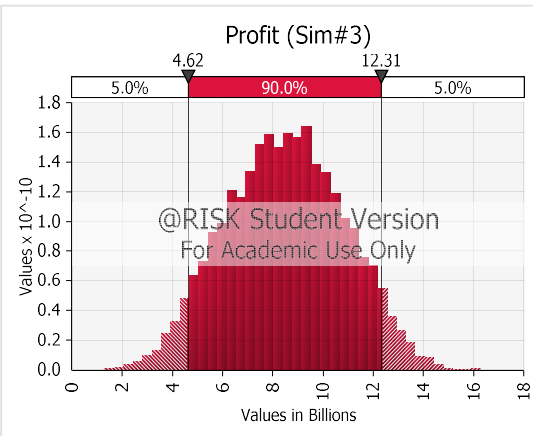
Summary Statistics for Profit			
Statistics		Percentile	
Minimum	1,303,810,990.98	1.0%	3,312,514,756.88
Maximum	16,289,114,452.13	2.5%	4,044,613,899.27
Mean	8,487,555,545.24	5.0%	4,620,221,120.93
Std Dev	2,350,014,523.87	10.0%	5,384,215,818.71
Variance	5.52257E+18	20.0%	6,384,925,328.70
Skewness	-0.010220204	25.0%	6,804,451,635.68
Kurtosis	2.566863385	50.0%	8,498,313,467.08
Median	8,498,313,467.08	75.0%	10,152,417,598.68
Mode	8,794,459,867.28	80.0%	10,551,348,308.37
Left X	4,620,221,120.93	90.0%	11,610,777,467.67
Left P	5%	95.0%	12,311,277,655.64
Right X	12,311,277,655.64	97.5%	12,925,714,183.31
Right P	95%	99.0%	13,619,350,129.20
#Errors	0		

Change in Output Statistic for Profit			
Rank	Name	Lower	Upper
1	Liability Costs	5,831,141,706.39	11,128,306,890.15
2	MTOW	6,843,603,348.10	10,564,910,379.46
3	Proportion Ranges / 2	7,535,521,650.62	9,531,840,779.84
4	Proportion Ranges / 4	7,529,322,910.59	9,525,627,394.07
5	Proportion Ranges / 3	7,866,257,137.52	9,300,284,636.04
6	Mishandled Reports	7,782,571,297.28	9,055,618,701.81
7	Proportion Ranges / 1	8,113,522,569.64	8,981,796,130.50
8	Take off/land fixed cost	8,082,236,279.00	8,934,387,907.46
9	Proportion Ranges / 0	8,306,179,119.57	8,628,090,946.36
10	Stolen Bags Percent / ignore for now	8,387,025,529.78	8,579,038,532.81

## @RISK Output Report for Profit B9 (Sim#3)

Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:32:44 PM



Simulation Summary Information	
Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled

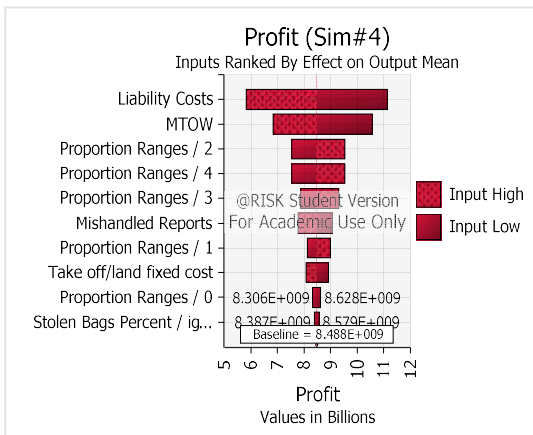
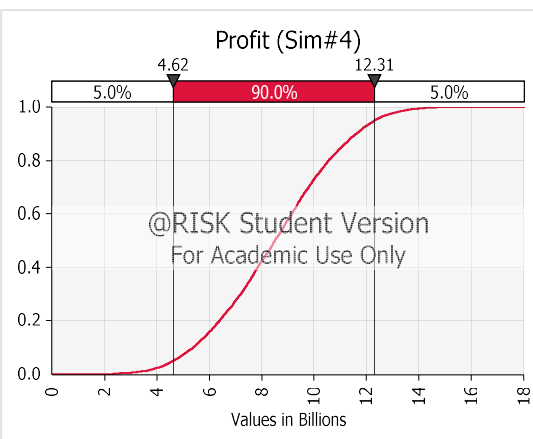
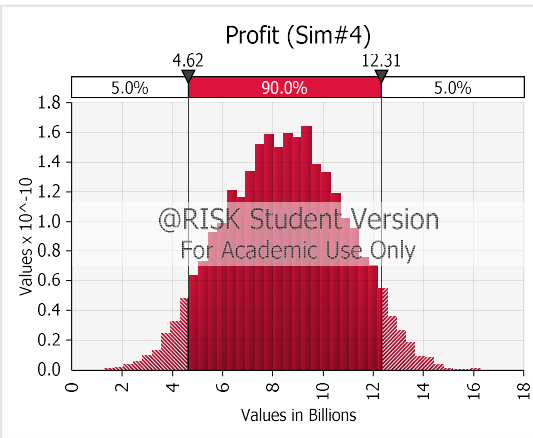
Summary Statistics for Profit			
Statistics		Percentile	
Minimum	1,303,810,990.98	1.0%	3,312,514,756.88
Maximum	16,289,114,452.13	2.5%	4,044,613,899.27
Mean	8,487,555,545.24	5.0%	4,620,221,120.93
Std Dev	2,350,014,523.87	10.0%	5,384,215,818.71
Variance	5.52257E+18	20.0%	6,384,925,328.70
Skewness	-0.010220204	25.0%	6,804,451,635.68
Kurtosis	2.566863385	50.0%	8,498,313,467.08
Median	8,498,313,467.08	75.0%	10,152,417,598.68
Mode	8,794,459,867.28	80.0%	10,551,348,308.37
Left X	4,620,221,120.93	90.0%	11,610,777,467.67
Left P	5%	95.0%	12,311,277,655.64
Right X	12,311,277,655.64	97.5%	12,925,714,183.31
Right P	95%	99.0%	13,619,350,129.20
#Errors	0		

Change in Output Statistic for Profit			
Rank	Name	Lower	Upper
1	Liability Costs	5,831,141,706.39	11,128,306,890.15
2	MTOW	6,843,603,348.10	10,564,910,379.46
3	Proportion Ranges / 2	7,535,521,650.62	9,531,840,779.84
4	Proportion Ranges / 4	7,529,322,910.59	9,525,627,394.07
5	Proportion Ranges / 3	7,866,257,137.52	9,300,284,636.04
6	Mishandled Reports	7,782,571,297.28	9,055,618,701.81
7	Proportion Ranges / 1	8,113,522,569.64	8,981,796,130.50
8	Take off/land fixed cost	8,082,236,279.00	8,934,387,907.46
9	Proportion Ranges / 0	8,306,179,119.57	8,628,090,946.36
10	Stolen Bags Percent / ignore for now	8,387,025,529.78	8,579,038,532.81

## @RISK Output Report for Profit B9 (Sim#4)

Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:32:51 PM



### Simulation Summary Information

Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled

### Summary Statistics for Profit

Statistics		Percentile	
Minimum	1,303,810,990.98	1.0%	3,312,514,756.88
Maximum	16,289,114,452.13	2.5%	4,044,613,899.27
Mean	8,487,555,545.24	5.0%	4,620,221,120.93
Std Dev	2,350,014,523.87	10.0%	5,384,215,818.71
Variance	5.52257E+18	20.0%	6,384,925,328.70
Skewness	-0.010220204	25.0%	6,804,451,635.68
Kurtosis	2.566863385	50.0%	8,498,313,467.08
Median	8,498,313,467.08	75.0%	10,152,417,598.68
Mode	8,794,459,867.28	80.0%	10,551,348,308.37
Left X	4,620,221,120.93	90.0%	11,610,777,467.67
Left P	5%	95.0%	12,311,277,655.64
Right X	12,311,277,655.64	97.5%	12,925,714,183.31
Right P	95%	99.0%	13,619,350,129.20
#Errors	0		

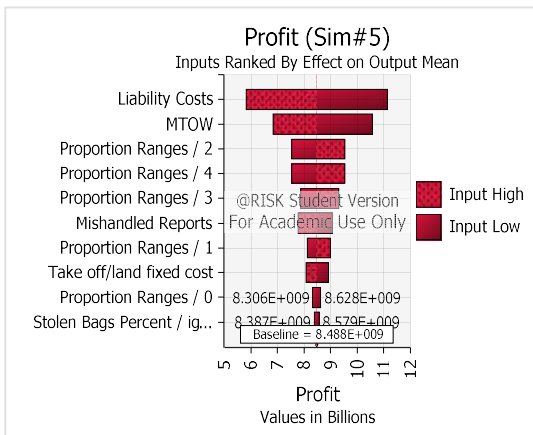
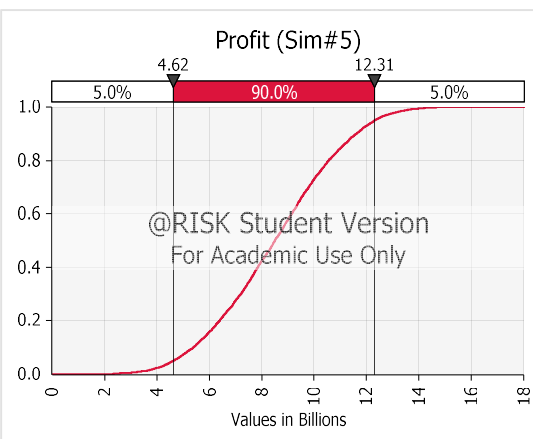
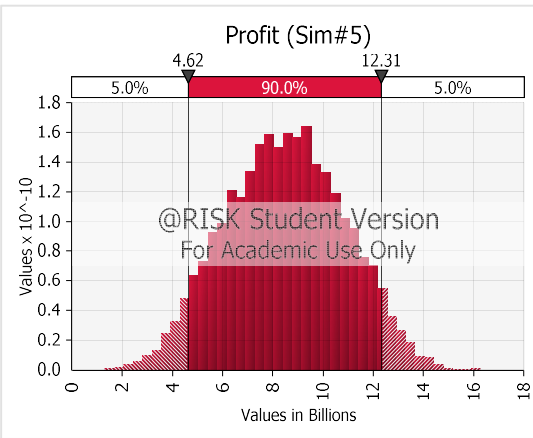
### Change in Output Statistic for Profit

Rank	Name	Lower	Upper
1	Liability Costs	5,831,141,706.39	11,128,306,890.15
2	MTOW	6,843,603,348.10	10,564,910,379.46
3	Proportion Ranges / 2	7,535,521,650.62	9,531,840,779.84
4	Proportion Ranges / 4	7,529,322,910.59	9,525,627,394.07
5	Proportion Ranges / 3	7,866,257,137.52	9,300,284,636.04
6	Mishandled Reports	7,782,571,297.28	9,055,618,701.81
7	Proportion Ranges / 1	8,113,522,569.64	8,981,796,130.50
8	Take off/land fixed cost	8,082,236,279.00	8,934,387,907.46
9	Proportion Ranges / 0	8,306,179,119.57	8,628,090,946.36
10	Stolen Bags Percent / ignore for now	8,387,025,529.78	8,579,038,532.81

## @RISK Output Report for Profit B9 (Sim#5)

Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:32:58 PM



Simulation Summary Information	
Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled

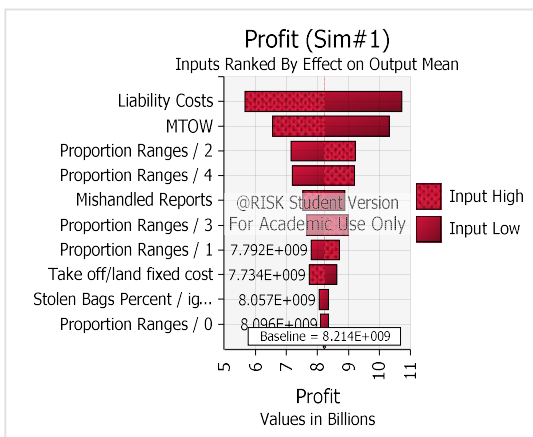
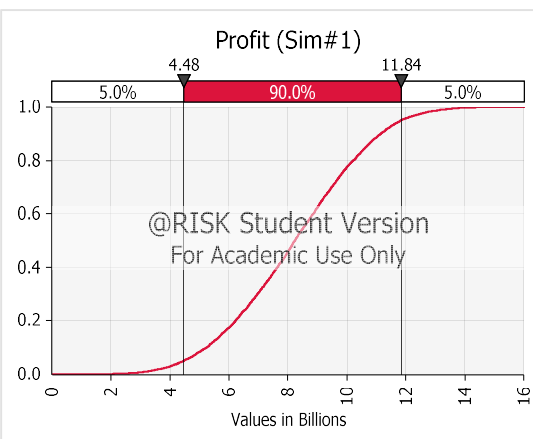
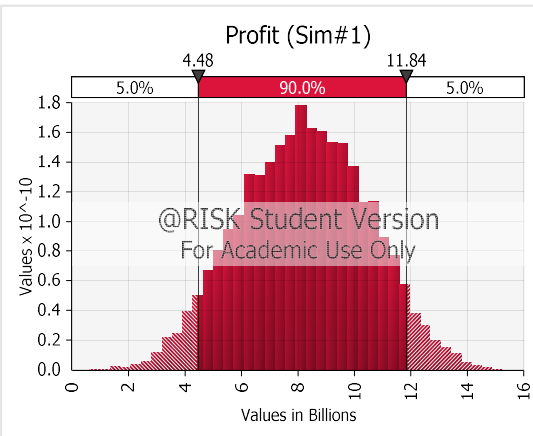
Summary Statistics for Profit			
Statistics		Percentile	
Minimum	1,303,810,990.98	1.0%	3,312,514,756.88
Maximum	16,289,114,452.13	2.5%	4,044,613,899.27
Mean	8,487,555,545.24	5.0%	4,620,221,120.93
Std Dev	2,350,014,523.87	10.0%	5,384,215,818.71
Variance	5.52257E+18	20.0%	6,384,925,328.70
Skewness	-0.010220204	25.0%	6,804,451,635.68
Kurtosis	2.566863385	50.0%	8,498,313,467.08
Median	8,498,313,467.08	75.0%	10,152,417,598.68
Mode	8,794,459,867.28	80.0%	10,551,348,308.37
Left X	4,620,221,120.93	90.0%	11,610,777,467.67
Left P	5%	95.0%	12,311,277,655.64
Right X	12,311,277,655.64	97.5%	12,925,714,183.31
Right P	95%	99.0%	13,619,350,129.20
#Errors	0		

Change in Output Statistic for Profit			
Rank	Name	Lower	Upper
1	Liability Costs	5,831,141,706.39	11,128,306,890.15
2	MTOW	6,843,603,348.10	10,564,910,379.46
3	Proportion Ranges / 2	7,535,521,650.62	9,531,840,779.84
4	Proportion Ranges / 4	7,529,322,910.59	9,525,627,394.07
5	Proportion Ranges / 3	7,866,257,137.52	9,300,284,636.04
6	Mishandled Reports	7,782,571,297.28	9,055,618,701.81
7	Proportion Ranges / 1	8,113,522,569.64	8,981,796,130.50
8	Take off/land fixed cost	8,082,236,279.00	8,934,387,907.46
9	Proportion Ranges / 0	8,306,179,119.57	8,628,090,946.36
10	Stolen Bags Percent / ignore for now	8,387,025,529.78	8,579,038,532.81

# @RISK Output Report for Profit B9 (Sim#1)

Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:33:05 PM



## Simulation Summary Information

Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled

## Summary Statistics for Profit

Statistics		Percentile	
Minimum	616,204,824.24	1.0%	3,206,437,032.45
Maximum	15,246,419,137.17	2.5%	3,857,551,709.50
Mean	8,213,946,470.72	5.0%	4,477,272,074.16
Std Dev	2,262,632,210.66	10.0%	5,231,390,344.28
Variance	5.1195E+18	20.0%	6,219,702,891.28
Skewness	-0.040206764	25.0%	6,619,608,929.57
Kurtosis	2.636173033	50.0%	8,233,342,178.64
Median	8,233,342,178.64	75.0%	9,823,587,332.80
Mode	7,670,448,276.25	80.0%	10,215,341,281.67
Left X	4,477,272,074.16	90.0%	11,146,661,290.63
Left P	5%	95.0%	11,843,131,698.22
Right X	11,843,131,698.22	97.5%	12,513,076,001.12
Right P	95%	99.0%	13,204,019,842.93
#Errors	0		

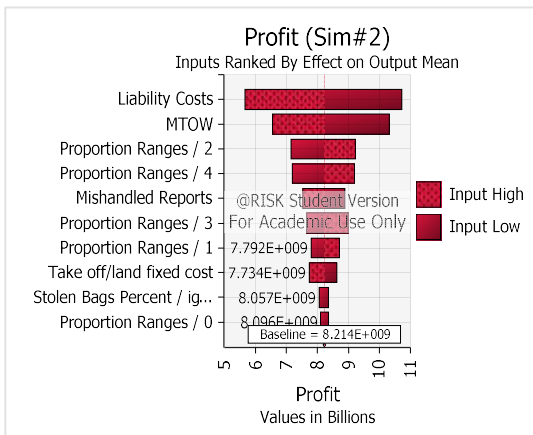
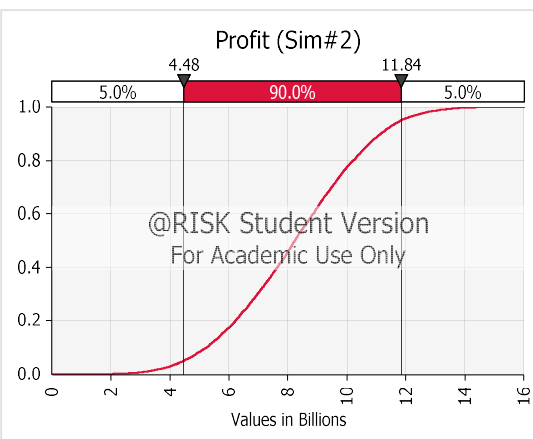
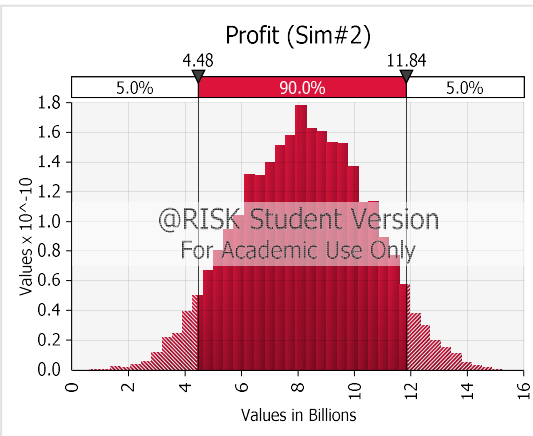
## Change in Output Statistic for Profit

Rank	Name	Lower	Upper
1	Liability Costs	5,655,218,227.27	10,716,277,892.20
2	MTOW	6,551,571,838.59	10,322,146,774.26
3	Proportion Ranges / 2	7,152,895,959.72	9,234,822,822.55
4	Proportion Ranges / 4	7,196,289,379.81	9,196,188,574.77
5	Mishandled Reports	7,535,621,230.34	8,880,094,398.14
6	Proportion Ranges / 3	7,655,164,135.09	8,979,844,928.42
7	Proportion Ranges / 1	7,791,504,833.65	8,695,320,087.03
8	Take off/land fixed cost	7,734,013,480.08	8,631,388,832.62
9	Stolen Bags Percent / ignore for now	8,056,916,846.44	8,366,880,813.78
10	Proportion Ranges / 0	8,095,545,495.02	8,356,286,081.54

## @RISK Output Report for Profit B9 (Sim#2)

Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:33:12 PM



### Simulation Summary Information

Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled

### Summary Statistics for Profit

Statistics		Percentile	
Minimum	616,204,824.24	1.0%	3,206,437,032.45
Maximum	15,246,419,137.17	2.5%	3,857,551,709.50
Mean	8,213,946,470.72	5.0%	4,477,272,074.16
Std Dev	2,262,632,210.66	10.0%	5,231,390,344.28
Variance	5.1195E+18	20.0%	6,219,702,891.28
Skewness	-0.040206764	25.0%	6,619,608,929.57
Kurtosis	2.636173033	50.0%	8,233,342,178.64
Median	8,233,342,178.64	75.0%	9,823,587,332.80
Mode	7,670,448,276.25	80.0%	10,215,341,281.67
Left X	4,477,272,074.16	90.0%	11,146,661,290.63
Left P	5%	95.0%	11,843,131,698.22
Right X	11,843,131,698.22	97.5%	12,513,076,001.12
Right P	95%	99.0%	13,204,019,842.93
#Errors	0		

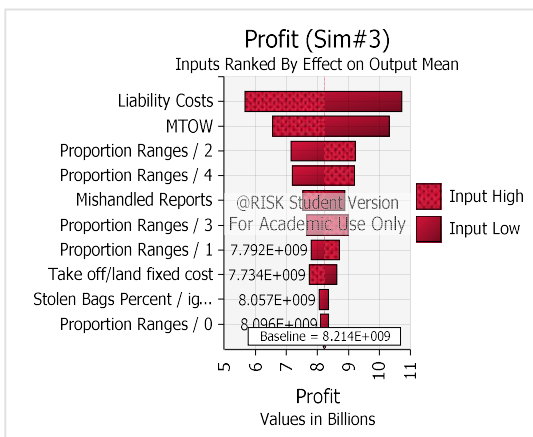
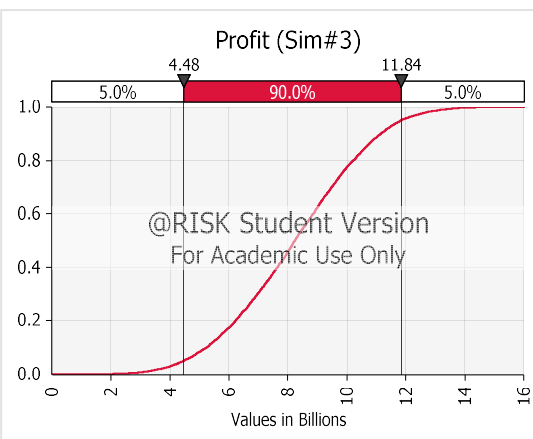
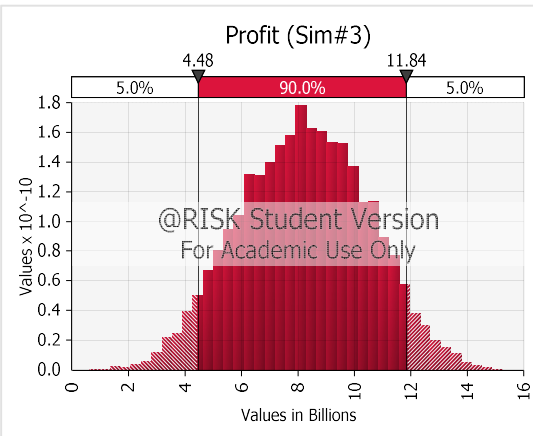
### Change in Output Statistic for Profit

Rank	Name	Lower	Upper
1	Liability Costs	5,655,218,227.27	10,716,277,892.20
2	MTOW	6,551,571,838.59	10,322,146,774.26
3	Proportion Ranges / 2	7,152,895,959.72	9,234,822,822.55
4	Proportion Ranges / 4	7,196,289,379.81	9,196,188,574.77
5	Mishandled Reports	7,535,621,230.34	8,880,094,398.14
6	Proportion Ranges / 3	7,655,164,135.09	8,979,844,928.42
7	Proportion Ranges / 1	7,791,504,833.65	8,695,320,087.03
8	Take off/land fixed cost	7,734,013,480.08	8,631,388,832.62
9	Stolen Bags Percent / ignore for now	8,056,916,846.44	8,366,880,813.78
10	Proportion Ranges / 0	8,095,545,495.02	8,356,286,081.54

## @RISK Output Report for Profit B9 (Sim#3)

Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:33:19 PM



Simulation Summary Information	
Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled

Summary Statistics for Profit			
Statistics		Percentile	
Minimum	616,204,824.24	1.0%	3,206,437,032.45
Maximum	15,246,419,137.17	2.5%	3,857,551,709.50
Mean	8,213,946,470.72	5.0%	4,477,272,074.16
Std Dev	2,262,632,210.66	10.0%	5,231,390,344.28
Variance	5.1195E+18	20.0%	6,219,702,891.28
Skewness	-0.040206764	25.0%	6,619,608,929.57
Kurtosis	2.636173033	50.0%	8,233,342,178.64
Median	8,233,342,178.64	75.0%	9,823,587,332.80
Mode	7,670,448,276.25	80.0%	10,215,341,281.67
Left X	4,477,272,074.16	90.0%	11,146,661,290.63
Left P	5%	95.0%	11,843,131,698.22
Right X	11,843,131,698.22	97.5%	12,513,076,001.12
Right P	95%	99.0%	13,204,019,842.93
#Errors	0		

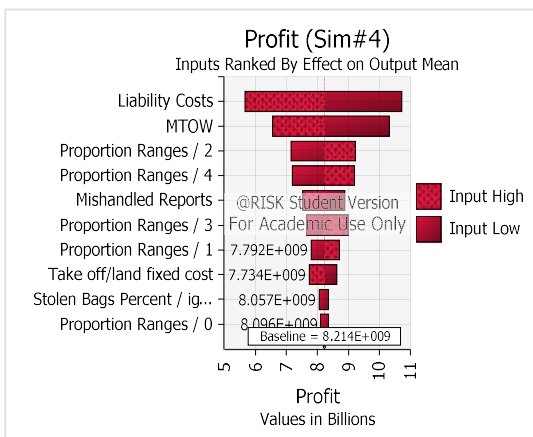
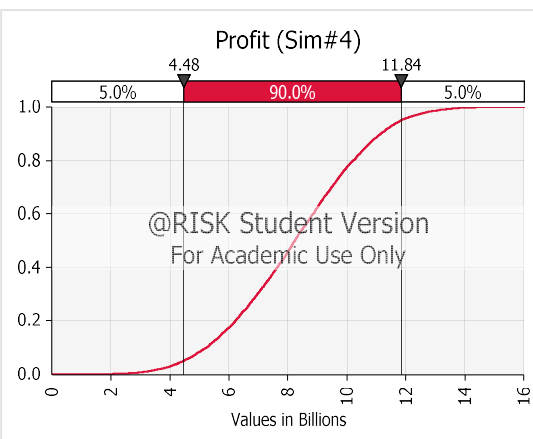
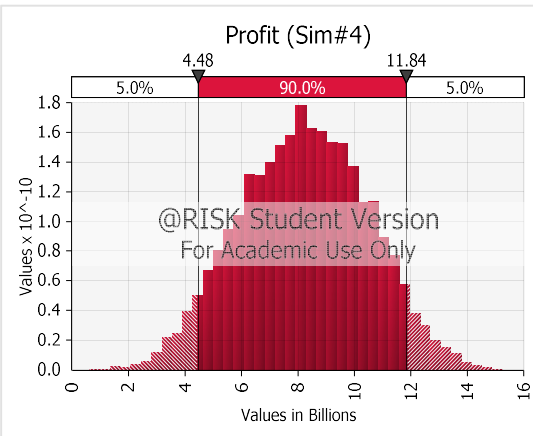
Change in Output Statistic for Profit			
Rank	Name	Lower	Upper
1	Liability Costs	5,655,218,227.27	10,716,277,892.20
2	MTOW	6,551,571,838.59	10,322,146,774.26
3	Proportion Ranges / 2	7,152,895,959.72	9,234,822,822.55
4	Proportion Ranges / 4	7,196,289,379.81	9,196,188,574.77
5	Mishandled Reports	7,535,621,230.34	8,880,094,398.14
6	Proportion Ranges / 3	7,655,164,135.09	8,979,844,928.42
7	Proportion Ranges / 1	7,791,504,833.65	8,695,320,087.03
8	Take off/land fixed cost	7,734,013,480.08	8,631,388,832.62
9	Stolen Bags Percent / ignore for now	8,056,916,846.44	8,366,880,813.78
10	Proportion Ranges / 0	8,095,545,495.02	8,356,286,081.54



# @RISK Output Report for Profit B9 (Sim#4)

Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:33:26 PM



Simulation Summary Information	
Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled

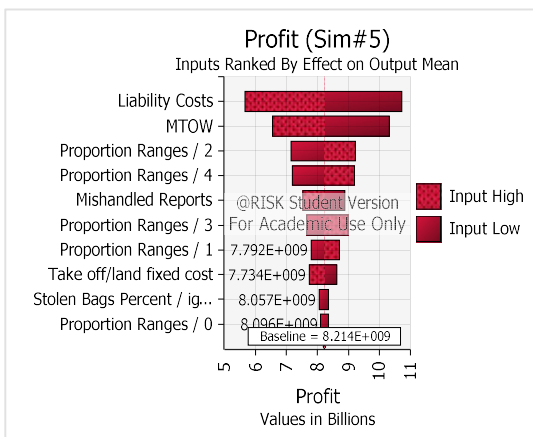
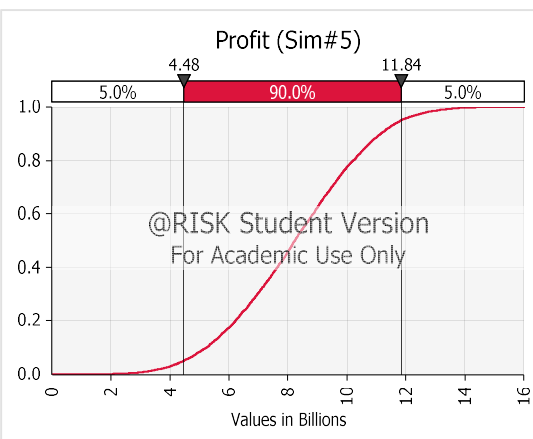
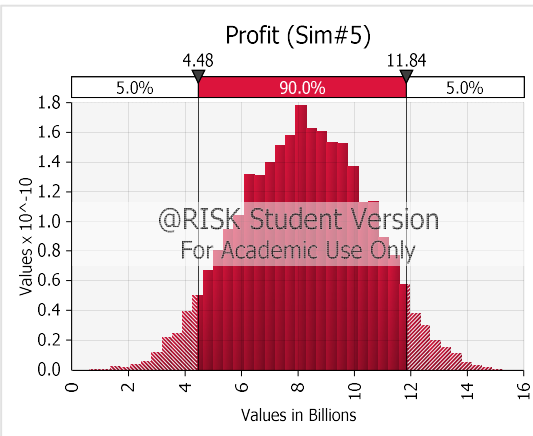
Summary Statistics for Profit			
Statistics		Percentile	
Minimum	616,204,824.24	1.0%	3,206,437,032.45
Maximum	15,246,419,137.17	2.5%	3,857,551,709.50
Mean	8,213,946,470.72	5.0%	4,477,272,074.16
Std Dev	2,262,632,210.66	10.0%	5,231,390,344.28
Variance	5.1195E+18	20.0%	6,219,702,891.28
Skewness	-0.040206764	25.0%	6,619,608,929.57
Kurtosis	2.636173033	50.0%	8,233,342,178.64
Median	8,233,342,178.64	75.0%	9,823,587,332.80
Mode	7,670,448,276.25	80.0%	10,215,341,281.67
Left X	4,477,272,074.16	90.0%	11,146,661,290.63
Left P	5%	95.0%	11,843,131,698.22
Right X	11,843,131,698.22	97.5%	12,513,076,001.12
Right P	95%	99.0%	13,204,019,842.93
#Errors	0		

Change in Output Statistic for Profit			
Rank	Name	Lower	Upper
1	Liability Costs	5,655,218,227.27	10,716,277,892.20
2	MTOW	6,551,571,838.59	10,322,146,774.26
3	Proportion Ranges / 2	7,152,895,959.72	9,234,822,822.55
4	Proportion Ranges / 4	7,196,289,379.81	9,196,188,574.77
5	Mishandled Reports	7,535,621,230.34	8,880,094,398.14
6	Proportion Ranges / 3	7,655,164,135.09	8,979,844,928.42
7	Proportion Ranges / 1	7,791,504,833.65	8,695,320,087.03
8	Take off/land fixed cost	7,734,013,480.08	8,631,388,832.62
9	Stolen Bags Percent / ignore for now	8,056,916,846.44	8,366,880,813.78
10	Proportion Ranges / 0	8,095,545,495.02	8,356,286,081.54

# @RISK Output Report for Profit B9 (Sim#5)

Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:33:33 PM



Simulation Summary Information	
Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled

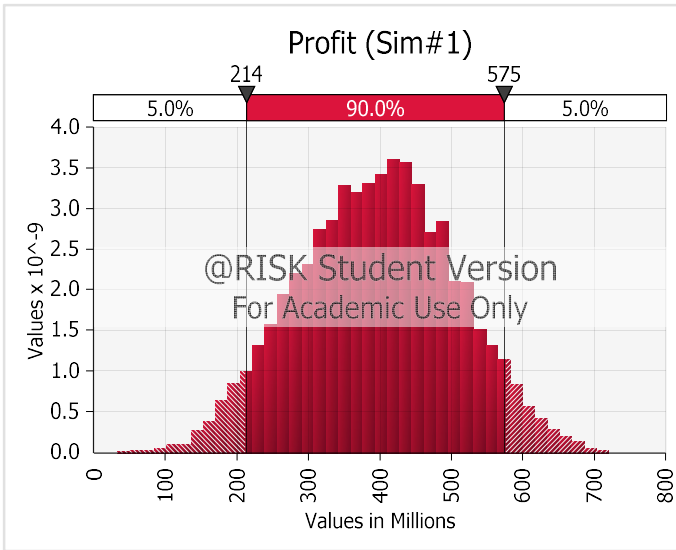
Summary Statistics for Profit			
Statistics		Percentile	
Minimum	616,204,824.24	1.0%	3,206,437,032.45
Maximum	15,246,419,137.17	2.5%	3,857,551,709.50
Mean	8,213,946,470.72	5.0%	4,477,272,074.16
Std Dev	2,262,632,210.66	10.0%	5,231,390,344.28
Variance	5.1195E+18	20.0%	6,219,702,891.28
Skewness	-0.040206764	25.0%	6,619,608,929.57
Kurtosis	2.636173033	50.0%	8,233,342,178.64
Median	8,233,342,178.64	75.0%	9,823,587,332.80
Mode	7,670,448,276.25	80.0%	10,215,341,281.67
Left X	4,477,272,074.16	90.0%	11,146,661,290.63
Left P	5%	95.0%	11,843,131,698.22
Right X	11,843,131,698.22	97.5%	12,513,076,001.12
Right P	95%	99.0%	13,204,019,842.93
#Errors	0		

Change in Output Statistic for Profit			
Rank	Name	Lower	Upper
1	Liability Costs	5,655,218,227.27	10,716,277,892.20
2	MTOW	6,551,571,838.59	10,322,146,774.26
3	Proportion Ranges / 2	7,152,895,959.72	9,234,822,822.55
4	Proportion Ranges / 4	7,196,289,379.81	9,196,188,574.77
5	Mishandled Reports	7,535,621,230.34	8,880,094,398.14
6	Proportion Ranges / 3	7,655,164,135.09	8,979,844,928.42
7	Proportion Ranges / 1	7,791,504,833.65	8,695,320,087.03
8	Take off/land fixed cost	7,734,013,480.08	8,631,388,832.62
9	Stolen Bags Percent / ignore for now	8,056,916,846.44	8,366,880,813.78
10	Proportion Ranges / 0	8,095,545,495.02	8,356,286,081.54

# @RISK Output Report for Profit B9 (Sim#1)

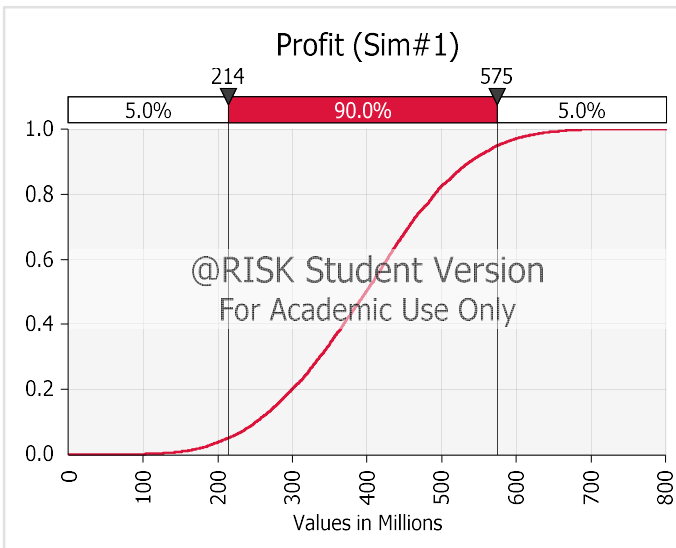
Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:33:39 PM



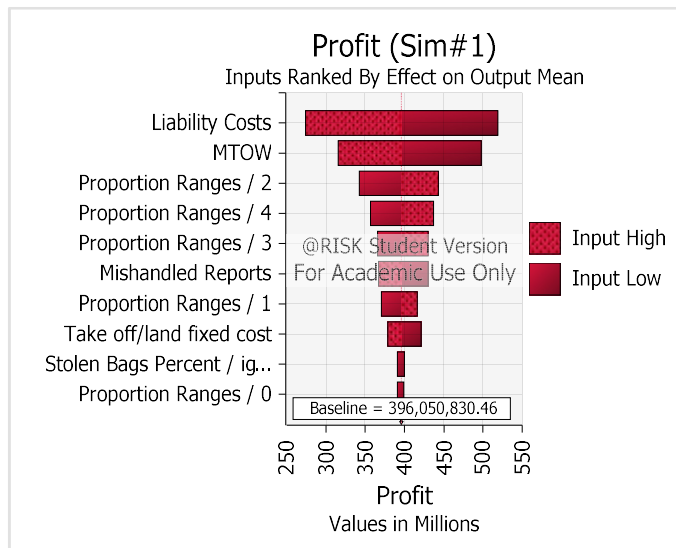
## Simulation Summary Information

Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled



## Summary Statistics for Profit

Statistics		Percentile	
Minimum	32,760,019.41	1.0%	153,937,364.64
Maximum	720,201,957.72	2.5%	184,850,773.00
Mean	396,050,830.46	5.0%	213,727,761.78
Std Dev	109,303,165.52	10.0%	250,989,112.17
Variance	1.19472E+16	20.0%	299,339,004.86
Skewness	-0.03138757	25.0%	320,099,704.01
Kurtosis	2.650945718	50.0%	398,535,244.98
Median	398,535,244.98	75.0%	472,055,912.76
Mode	428,204,351.66	80.0%	490,604,228.46
Left X	213,727,761.78	90.0%	537,290,194.40
Left P	5%	95.0%	574,649,505.80
Right X	574,649,505.80	97.5%	605,898,082.74
Right P	95%	99.0%	639,960,592.07
#Errors	0		



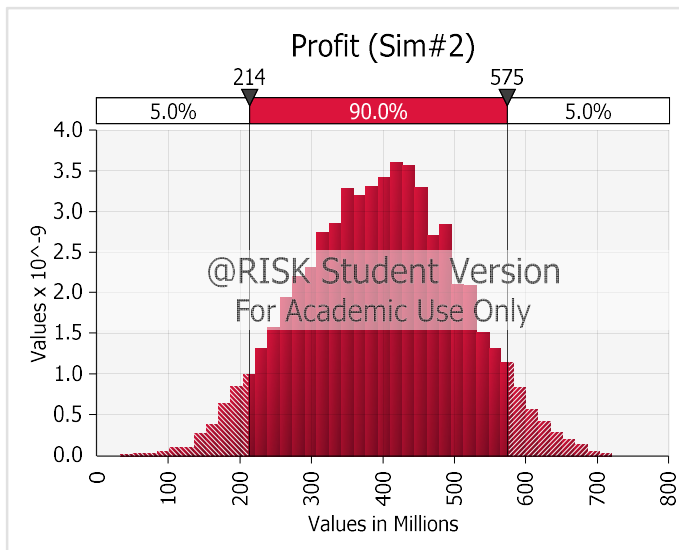
## Change in Output Statistic for Profit

Rank	Name	Lower	Upper
1	Liability Costs	273,705,647.74	518,342,939.89
2	MTOW	315,927,537.25	498,012,949.09
3	Proportion Ranges	342,688,912.95	443,565,913.14
4	Proportion Ranges	356,950,822.18	437,045,336.23
5	Proportion Ranges	365,765,602.56	429,783,929.99
6	Mishandled Report	366,594,575.75	430,130,304.16
7	Proportion Ranges	371,284,957.31	415,733,799.53
8	Take off/land fixed	379,136,403.62	420,883,476.17
9	Stolen Bags Percen	391,425,519.69	399,587,331.24
10	Proportion Ranges	391,354,771.73	398,795,719.67

# @RISK Output Report for Profit B9 (Sim#2)

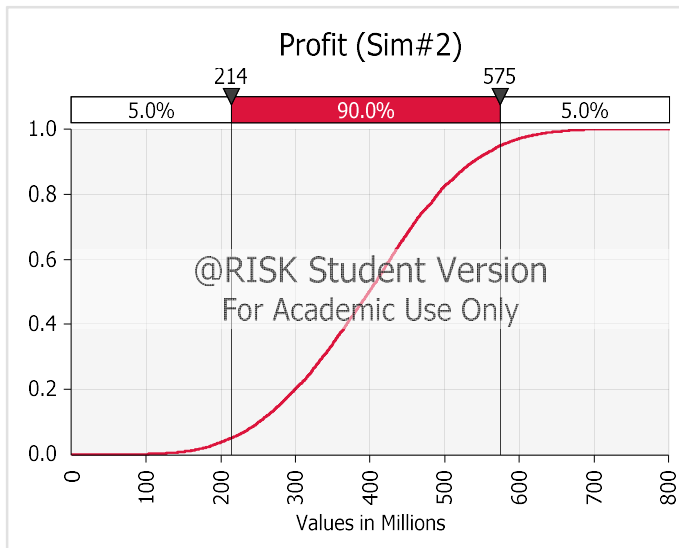
Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:33:45 PM



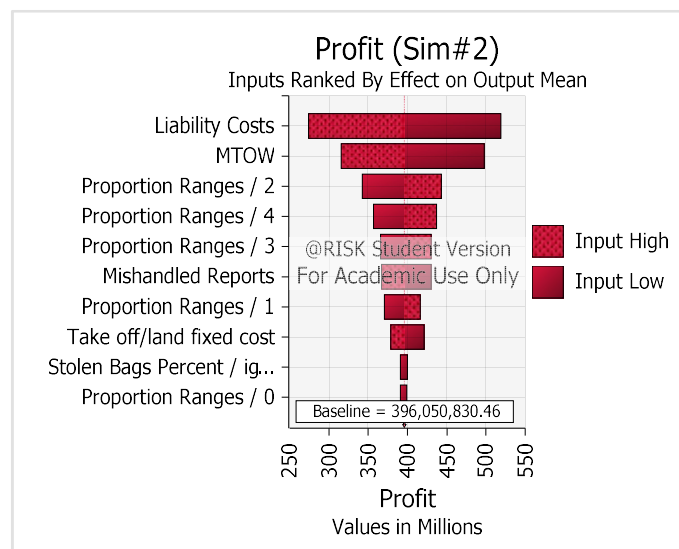
## Simulation Summary Information

Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled



## Summary Statistics for Profit

Statistics		Percentile	
Minimum	32,760,019.41	1.0%	153,937,364.64
Maximum	720,201,957.72	2.5%	184,850,773.00
Mean	396,050,830.46	5.0%	213,727,761.78
Std Dev	109,303,165.52	10.0%	250,989,112.17
Variance	1.19472E+16	20.0%	299,339,004.86
Skewness	-0.03138757	25.0%	320,099,704.01
Kurtosis	2.650945718	50.0%	398,535,244.98
Median	398,535,244.98	75.0%	472,055,912.76
Mode	428,204,351.66	80.0%	490,604,228.46
Left X	213,727,761.78	90.0%	537,290,194.40
Left P	5%	95.0%	574,649,505.80
Right X	574,649,505.80	97.5%	605,898,082.74
Right P	95%	99.0%	639,960,592.07
#Errors	0		



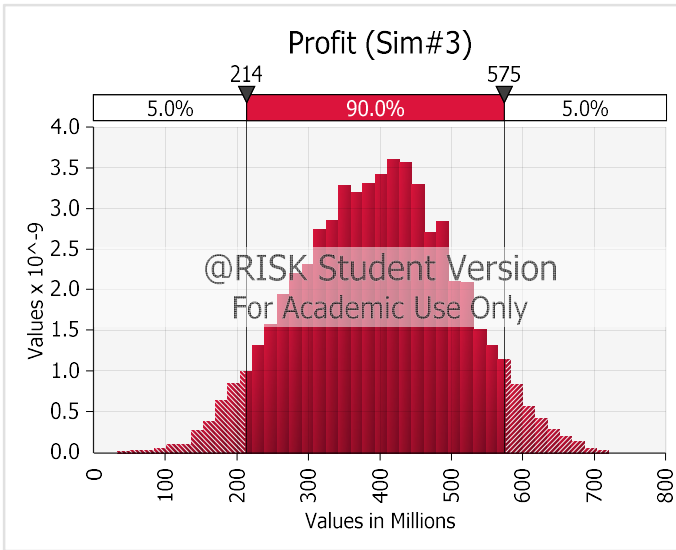
## Change in Output Statistic for Profit

Rank	Name	Lower	Upper
1	Liability Costs	273,705,647.74	518,342,939.89
2	MTOW	315,927,537.25	498,012,949.09
3	Proportion Ranges	342,688,912.95	443,565,913.14
4	Proportion Ranges	356,950,822.18	437,045,336.23
5	Proportion Ranges	365,765,602.56	429,783,929.99
6	Mishandled Report	366,594,575.75	430,130,304.16
7	Proportion Ranges	371,284,957.31	415,733,799.53
8	Take off/land fixed	379,136,403.62	420,883,476.17
9	Stolen Bags Percen	391,425,519.69	399,587,331.24
10	Proportion Ranges	391,354,771.73	398,795,719.67

# @RISK Output Report for Profit B9 (Sim#3)

Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:33:52 PM



## Simulation Summary Information

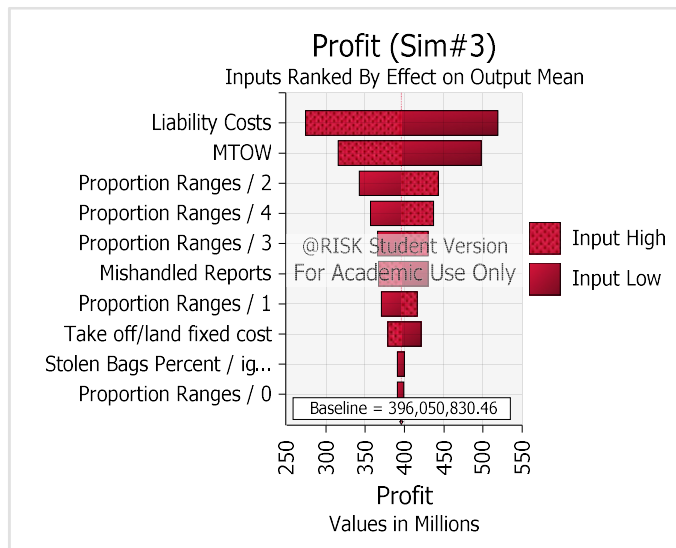
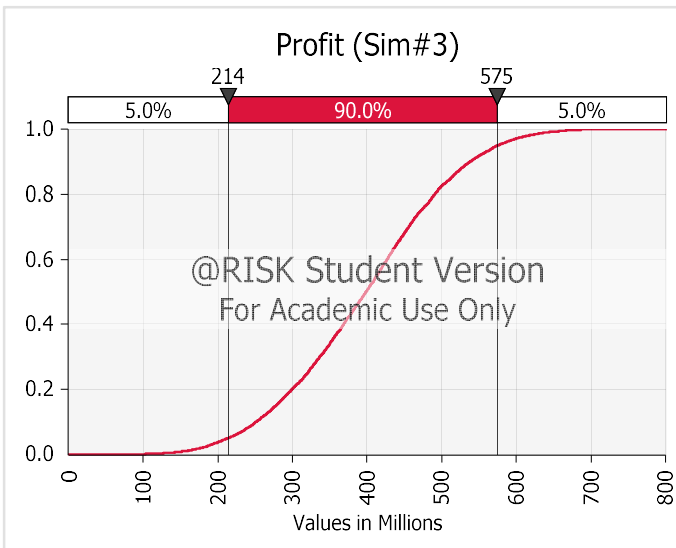
Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled

## Summary Statistics for Profit

Statistics		Percentile	
Minimum	32,760,019.41	1.0%	153,937,364.64
Maximum	720,201,957.72	2.5%	184,850,773.00
Mean	396,050,830.46	5.0%	213,727,761.78
Std Dev	109,303,165.52	10.0%	250,989,112.17
Variance	1.19472E+16	20.0%	299,339,004.86
Skewness	-0.03138757	25.0%	320,099,704.01
Kurtosis	2.650945718	50.0%	398,535,244.98
Median	398,535,244.98	75.0%	472,055,912.76
Mode	428,204,351.66	80.0%	490,604,228.46
Left X	213,727,761.78	90.0%	537,290,194.40
Left P	5%	95.0%	574,649,505.80
Right X	574,649,505.80	97.5%	605,898,082.74
Right P	95%	99.0%	639,960,592.07
#Errors	0		

## Change in Output Statistic for Profit

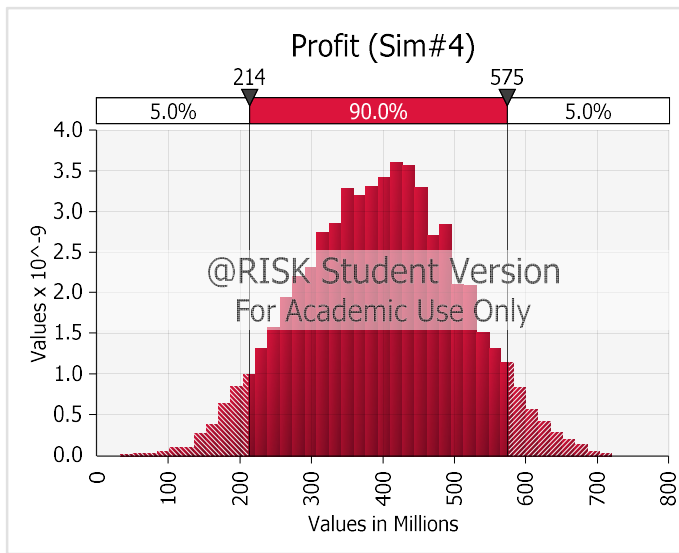
Rank	Name	Lower	Upper
1	Liability Costs	273,705,647.74	518,342,939.89
2	MTOW	315,927,537.25	498,012,949.09
3	Proportion Ranges / 2	342,688,912.95	443,565,913.14
4	Proportion Ranges	356,950,822.18	437,045,336.23
5	Proportion Ranges	365,765,602.56	429,783,929.99
6	Mishandled Report	366,594,575.75	430,130,304.16
7	Proportion Ranges	371,284,957.31	415,733,799.53
8	Take off/land fixed	379,136,403.62	420,883,476.17
9	Stolen Bags Percen	391,425,519.69	399,587,331.24
10	Proportion Ranges	391,354,771.73	398,795,719.67



# @RISK Output Report for Profit B9 (Sim#4)

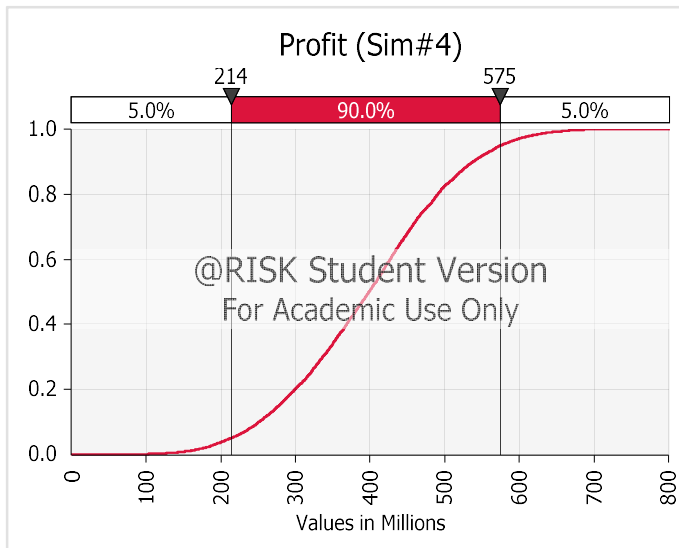
Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:33:58 PM



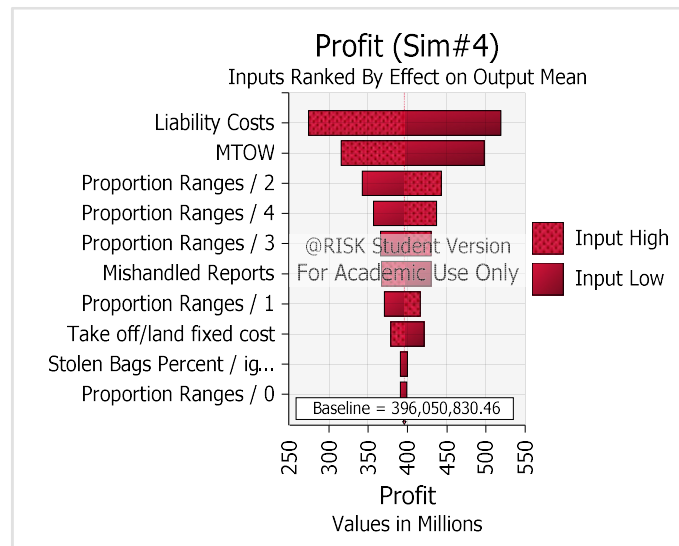
## Simulation Summary Information

Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled



## Summary Statistics for Profit

Statistics		Percentile	
Minimum	32,760,019.41	1.0%	153,937,364.64
Maximum	720,201,957.72	2.5%	184,850,773.00
Mean	396,050,830.46	5.0%	213,727,761.78
Std Dev	109,303,165.52	10.0%	250,989,112.17
Variance	1.19472E+16	20.0%	299,339,004.86
Skewness	-0.03138757	25.0%	320,099,704.01
Kurtosis	2.650945718	50.0%	398,535,244.98
Median	398,535,244.98	75.0%	472,055,912.76
Mode	428,204,351.66	80.0%	490,604,228.46
Left X	213,727,761.78	90.0%	537,290,194.40
Left P	5%	95.0%	574,649,505.80
Right X	574,649,505.80	97.5%	605,898,082.74
Right P	95%	99.0%	639,960,592.07
#Errors	0		



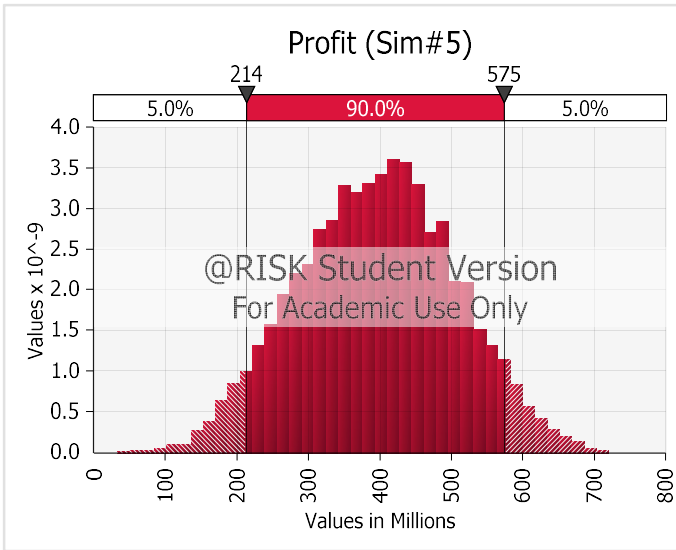
## Change in Output Statistic for Profit

Rank	Name	Lower	Upper
1	Liability Costs	273,705,647.74	518,342,939.89
2	MTOW	315,927,537.25	498,012,949.09
3	Proportion Ranges	342,688,912.95	443,565,913.14
4	Proportion Ranges	356,950,822.18	437,045,336.23
5	Proportion Ranges	365,765,602.56	429,783,929.99
6	Mishandled Report	366,594,575.75	430,130,304.16
7	Proportion Ranges	371,284,957.31	415,733,799.53
8	Take off/land fixed	379,136,403.62	420,883,476.17
9	Stolen Bags Percen	391,425,519.69	399,587,331.24
10	Proportion Ranges	391,354,771.73	398,795,719.67

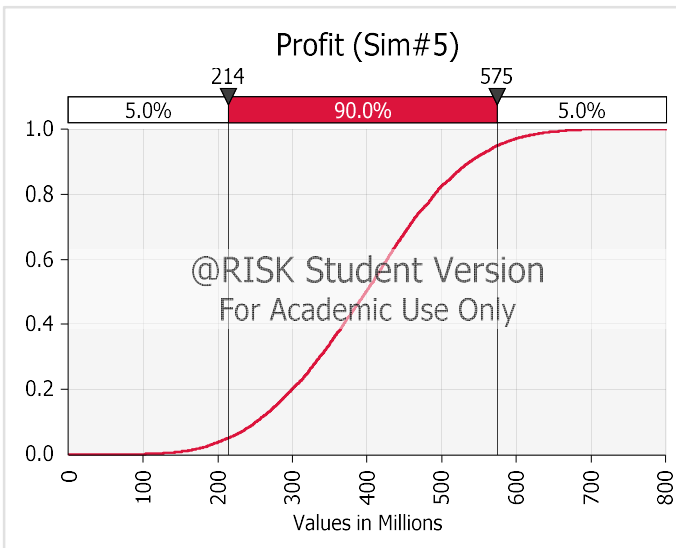
# @RISK Output Report for Profit B9 (Sim#5)

Performed By: Rushabh Barbhaya

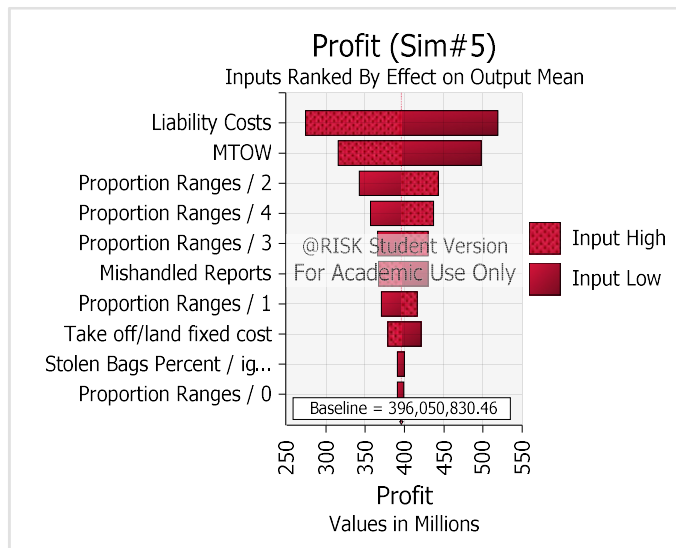
Date: Tuesday, May 14, 2019 4:34:05 PM



Simulation Summary Information	
Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled



Summary Statistics for Profit			
Statistics		Percentile	
Minimum	32,760,019.41	1.0%	153,937,364.64
Maximum	720,201,957.72	2.5%	184,850,773.00
Mean	396,050,830.46	5.0%	213,727,761.78
Std Dev	109,303,165.52	10.0%	250,989,112.17
Variance	1.19472E+16	20.0%	299,339,004.86
Skewness	-0.03138757	25.0%	320,099,704.01
Kurtosis	2.650945718	50.0%	398,535,244.98
Median	398,535,244.98	75.0%	472,055,912.76
Mode	428,204,351.66	80.0%	490,604,228.46
Left X	213,727,761.78	90.0%	537,290,194.40
Left P	5%	95.0%	574,649,505.80
Right X	574,649,505.80	97.5%	605,898,082.74
Right P	95%	99.0%	639,960,592.07
#Errors	0		



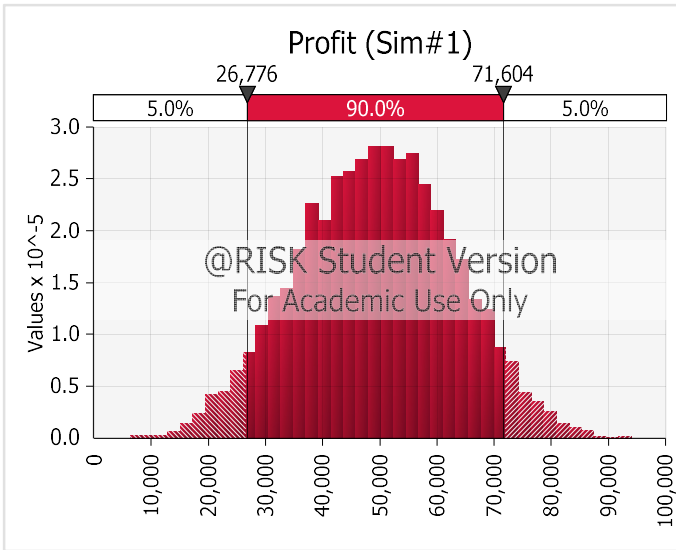
Change in Output Statistic for Profit			
Rank	Name	Lower	Upper
1	Liability Costs	273,705,647.74	518,342,939.89
2	MTOW	315,927,537.25	498,012,949.09
3	Proportion Ranges	342,688,912.95	443,565,913.14
4	Proportion Ranges	356,950,822.18	437,045,336.23
5	Proportion Ranges	365,765,602.56	429,783,929.99
6	Mishandled Report	366,594,575.75	430,130,304.16
7	Proportion Ranges	371,284,957.31	415,733,799.53
8	Take off/land fixed	379,136,403.62	420,883,476.17
9	Stolen Bags Percen	391,425,519.69	399,587,331.24
10	Proportion Ranges	391,354,771.73	398,795,719.67



# @RISK Output Report for Profit B9 (Sim#1)

Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:34:12 PM



## Simulation Summary Information

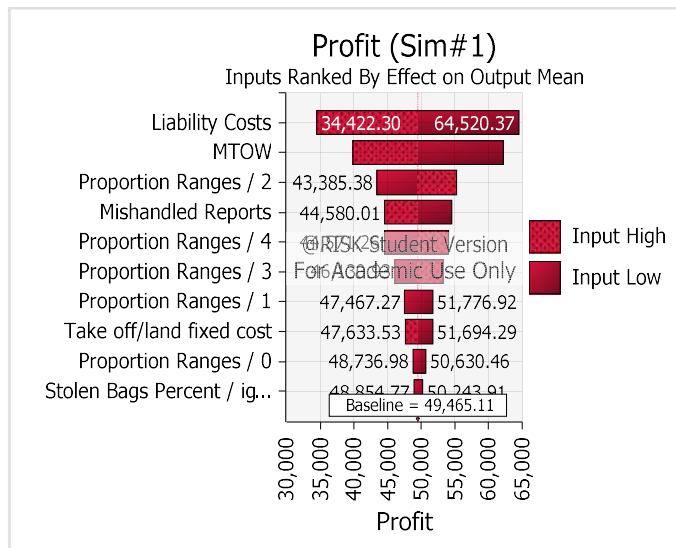
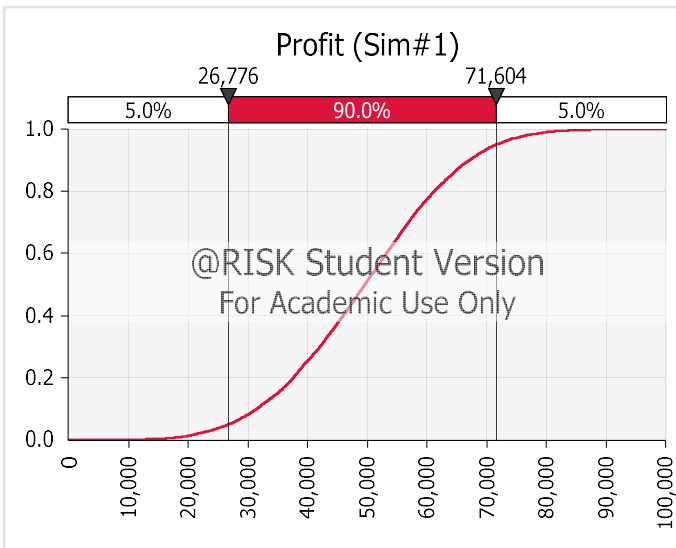
Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled

## Summary Statistics for Profit

Statistics		Percentile	
Minimum	6,350.01	1.0%	19,107.44
Maximum	94,043.83	2.5%	22,681.23
Mean	49,465.11	5.0%	26,775.66
Std Dev	13,595.10	10.0%	31,553.58
Variance	184826750.2	20.0%	37,658.39
Skewness	-0.024802997	25.0%	39,840.20
Kurtosis	2.694511034	50.0%	49,646.06
Median	49,646.06	75.0%	58,943.00
Mode	52,316.19	80.0%	61,233.81
Left X	26,775.66	90.0%	67,097.30
Left P	5%	95.0%	71,603.76
Right X	71,603.76	97.5%	75,502.97
Right P	95%	99.0%	79,708.25
#Errors	0		

## Change in Output Statistic for Profit

Rank	Name	Lower	Upper
1	Liability Costs	34,422.30	64,520.37
2	MTOW	39,874.65	62,183.80
3	Proportion Ranges / 2	43,385.38	55,269.39
4	Mishandled Report	44,580.01	54,492.88
5	Proportion Ranges	44,571.26	54,073.32
6	Proportion Ranges	46,130.93	53,310.06
7	Proportion Ranges	47,467.27	51,776.92
8	Take off/land fixed	47,633.53	51,694.29
9	Proportion Ranges	48,736.98	50,630.46
10	Stolen Bags Percen	48,854.77	50,243.91

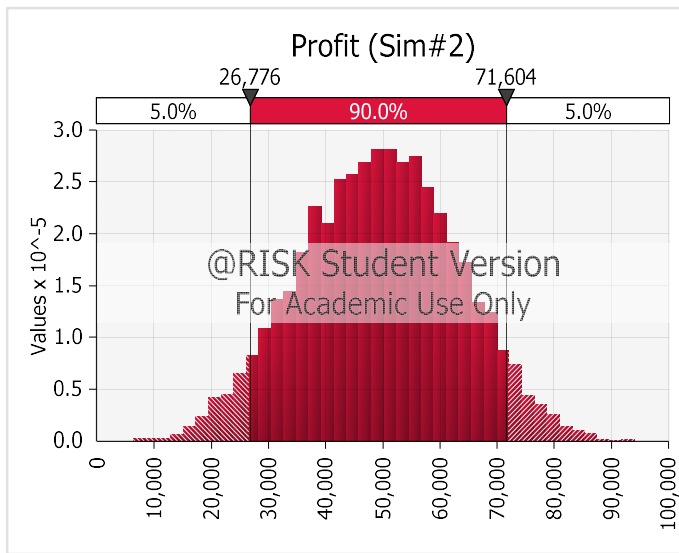




# @RISK Output Report for Profit B9 (Sim#2)

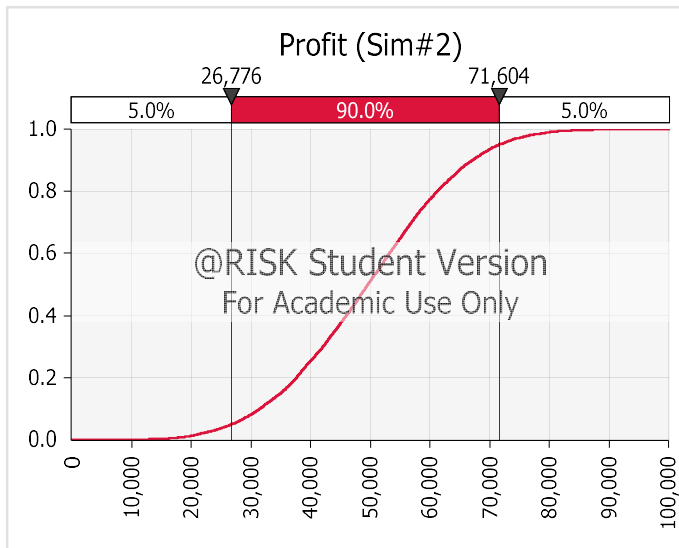
Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:34:18 PM



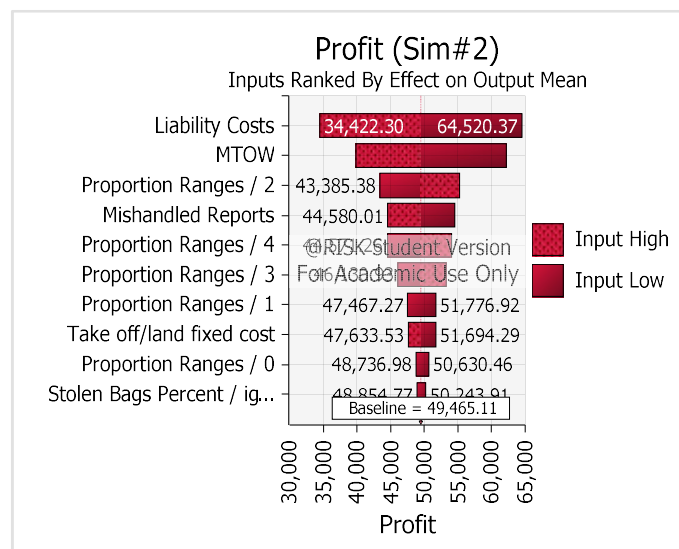
## Simulation Summary Information

Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled



## Summary Statistics for Profit

Statistics		Percentile	
Minimum	6,350.01	1.0%	19,107.44
Maximum	94,043.83	2.5%	22,681.23
Mean	49,465.11	5.0%	26,775.66
Std Dev	13,595.10	10.0%	31,553.58
Variance	184826750.2	20.0%	37,658.39
Skewness	-0.024802997	25.0%	39,840.20
Kurtosis	2.694511034	50.0%	49,646.06
Median	49,646.06	75.0%	58,943.00
Mode	52,316.19	80.0%	61,233.81
Left X	26,775.66	90.0%	67,097.30
Left P	5%	95.0%	71,603.76
Right X	71,603.76	97.5%	75,502.97
Right P	95%	99.0%	79,708.25
#Errors	0		



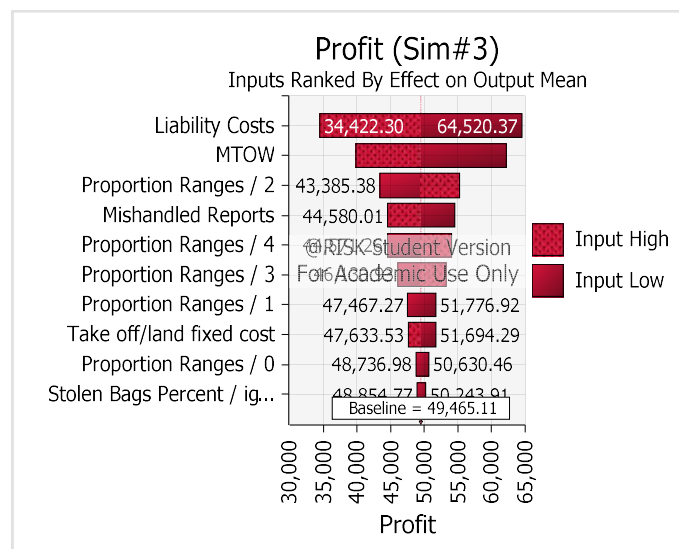
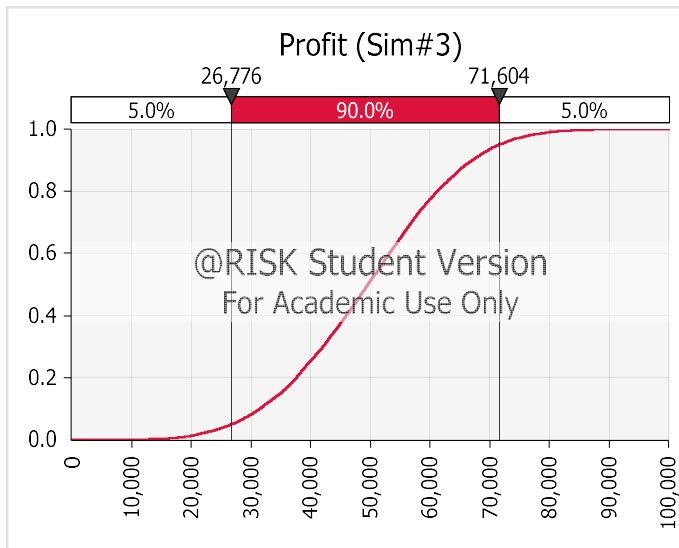
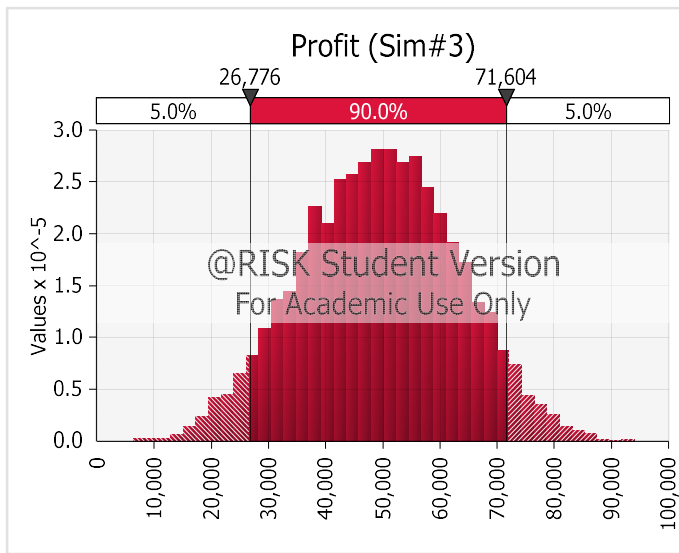
## Change in Output Statistic for Profit

Rank	Name	Lower	Upper
1	Liability Costs	34,422.30	64,520.37
2	MTOW	39,874.65	62,183.80
3	Proportion Ranges	43,385.38	55,269.39
4	Mishandled Report	44,580.01	54,492.88
5	Proportion Ranges	44,571.26	54,073.32
6	Proportion Ranges	46,130.93	53,310.06
7	Proportion Ranges	47,467.27	51,776.92
8	Take off/land fixed	47,633.53	51,694.29
9	Proportion Ranges	48,736.98	50,630.46
10	Stolen Bags Percen	48,854.77	50,243.91

# @RISK Output Report for Profit B9 (Sim#3)

Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:34:25 PM



## Simulation Summary Information

Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled

## Summary Statistics for Profit

Statistics		Percentile	
Minimum	6,350.01	1.0%	19,107.44
Maximum	94,043.83	2.5%	22,681.23
Mean	49,465.11	5.0%	26,775.66
Std Dev	13,595.10	10.0%	31,553.58
Variance	184826750.2	20.0%	37,658.39
Skewness	-0.024802997	25.0%	39,840.20
Kurtosis	2.694511034	50.0%	49,646.06
Median	49,646.06	75.0%	58,943.00
Mode	52,316.19	80.0%	61,233.81
Left X	26,775.66	90.0%	67,097.30
Left P	5%	95.0%	71,603.76
Right X	71,603.76	97.5%	75,502.97
Right P	95%	99.0%	79,708.25
#Errors	0		

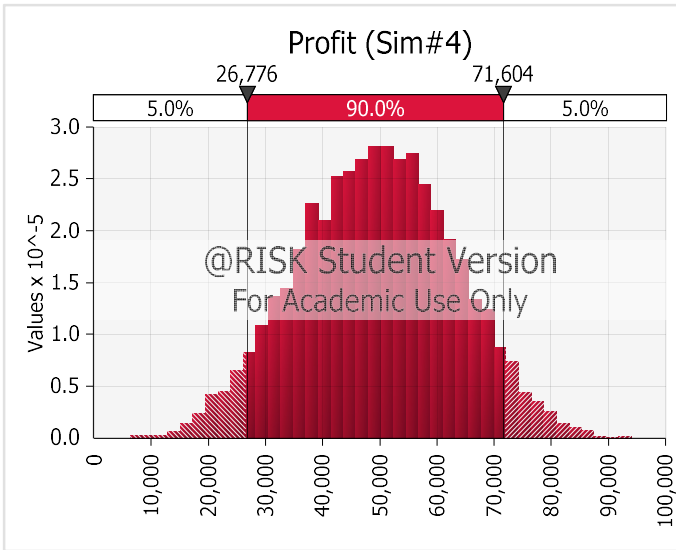
## Change in Output Statistic for Profit

Rank	Name	Lower	Upper
1	Liability Costs	34,422.30	64,520.37
2	MTOW	39,874.65	62,183.80
3	Proportion Ranges	43,385.38	55,269.39
4	Mishandled Report	44,580.01	54,492.88
5	Proportion Ranges	44,571.26	54,073.32
6	Proportion Ranges	46,130.93	53,310.06
7	Proportion Ranges	47,467.27	51,776.92
8	Take off/land fixed	47,633.53	51,694.29
9	Proportion Ranges	48,736.98	50,630.46
10	Stolen Bags Percen	48,854.77	50,243.91

# @RISK Output Report for Profit B9 (Sim#4)

Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:34:32 PM



## Simulation Summary Information

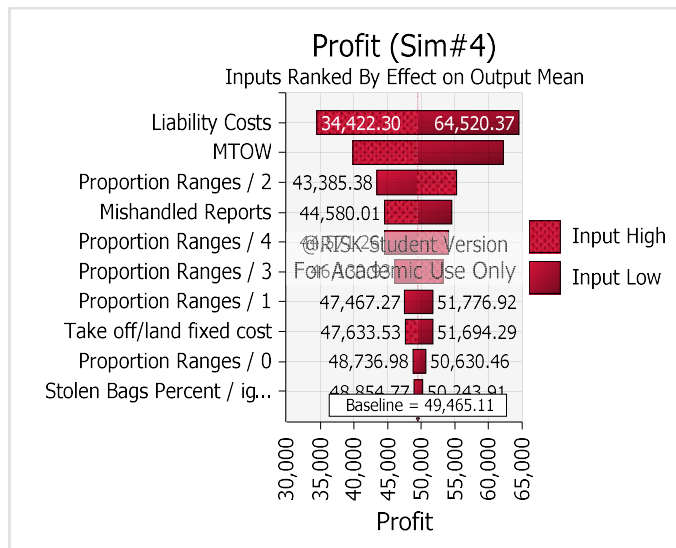
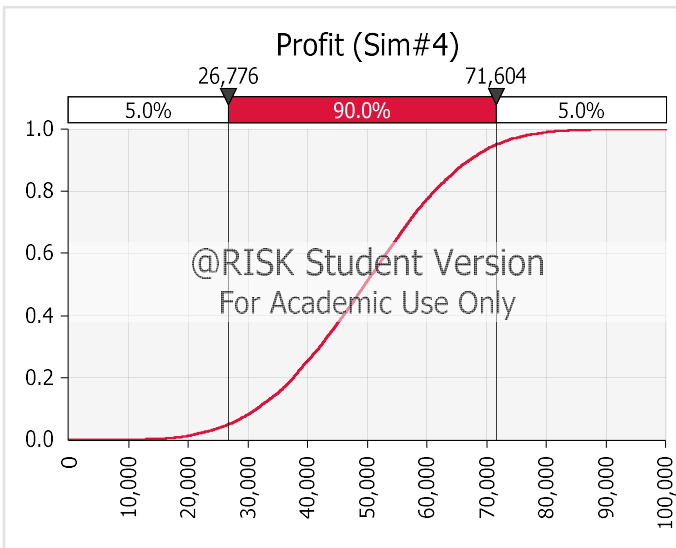
Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled

## Summary Statistics for Profit

Statistics		Percentile	
Minimum	6,350.01	1.0%	19,107.44
Maximum	94,043.83	2.5%	22,681.23
Mean	49,465.11	5.0%	26,775.66
Std Dev	13,595.10	10.0%	31,553.58
Variance	184826750.2	20.0%	37,658.39
Skewness	-0.024802997	25.0%	39,840.20
Kurtosis	2.694511034	50.0%	49,646.06
Median	49,646.06	75.0%	58,943.00
Mode	52,316.19	80.0%	61,233.81
Left X	26,775.66	90.0%	67,097.30
Left P	5%	95.0%	71,603.76
Right X	71,603.76	97.5%	75,502.97
Right P	95%	99.0%	79,708.25
#Errors	0		

## Change in Output Statistic for Profit

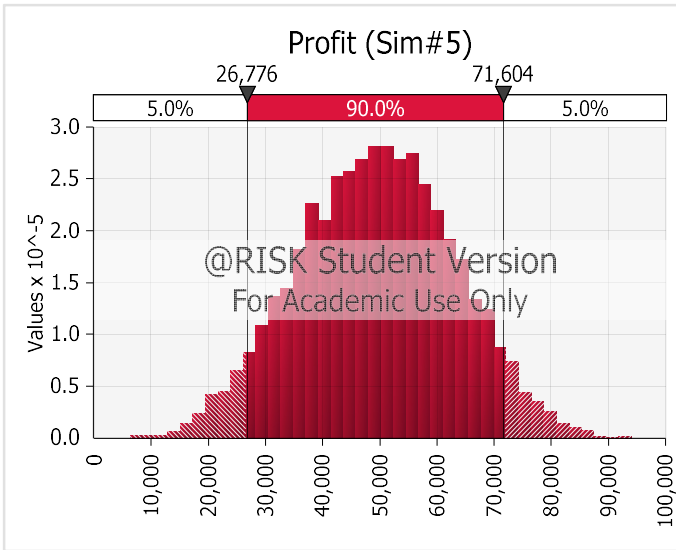
Rank	Name	Lower	Upper
1	Liability Costs	34,422.30	64,520.37
2	MTOW	39,874.65	62,183.80
3	Proportion Ranges / 2	43,385.38	55,269.39
4	Mishandled Report	44,580.01	54,492.88
5	Proportion Ranges	44,571.26	54,073.32
6	Proportion Ranges	46,130.93	53,310.06
7	Proportion Ranges	47,467.27	51,776.92
8	Take off/land fixed	47,633.53	51,694.29
9	Proportion Ranges	48,736.98	50,630.46
10	Stolen Bags Percen	48,854.77	50,243.91



# @RISK Output Report for Profit B9 (Sim#5)

Performed By: Rushabh Barbhaya

Date: Tuesday, May 14, 2019 4:34:38 PM



## Simulation Summary Information

Workbook Name	Finals_v_3.xlsx
Number of Simulations	5
Number of Iterations	10000
Number of Inputs	40
Number of Outputs	4
Sampling Type	Latin Hypercube
Simulation Start Time	5/14/2019 16:14
Simulation Stop Time	5/14/2019 16:16
Simulation Duration	00:02:51
Random # Generator	Mersenne Twister
Random Seed	767901820
Total Errors	0
Collect Distribution Samples	All
Convergence Testing	Disabled
Smart Sensitivity Analysis	Enabled

## Summary Statistics for Profit

Statistics		Percentile	
Minimum	6,350.01	1.0%	19,107.44
Maximum	94,043.83	2.5%	22,681.23
Mean	49,465.11	5.0%	26,775.66
Std Dev	13,595.10	10.0%	31,553.58
Variance	184826750.2	20.0%	37,658.39
Skewness	-0.024802997	25.0%	39,840.20
Kurtosis	2.694511034	50.0%	49,646.06
Median	49,646.06	75.0%	58,943.00
Mode	52,316.19	80.0%	61,233.81
Left X	26,775.66	90.0%	67,097.30
Left P	5%	95.0%	71,603.76
Right X	71,603.76	97.5%	75,502.97
Right P	95%	99.0%	79,708.25
#Errors	0		

## Change in Output Statistic for Profit

Rank	Name	Lower	Upper
1	Liability Costs	34,422.30	64,520.37
2	MTOW	39,874.65	62,183.80
3	Proportion Ranges / 2	43,385.38	55,269.39
4	Mishandled Report	44,580.01	54,492.88
5	Proportion Ranges	44,571.26	54,073.32
6	Proportion Ranges	46,130.93	53,310.06
7	Proportion Ranges	47,467.27	51,776.92
8	Take off/land fixed	47,633.53	51,694.29
9	Proportion Ranges	48,736.98	50,630.46
10	Stolen Bags Percen	48,854.77	50,243.91

