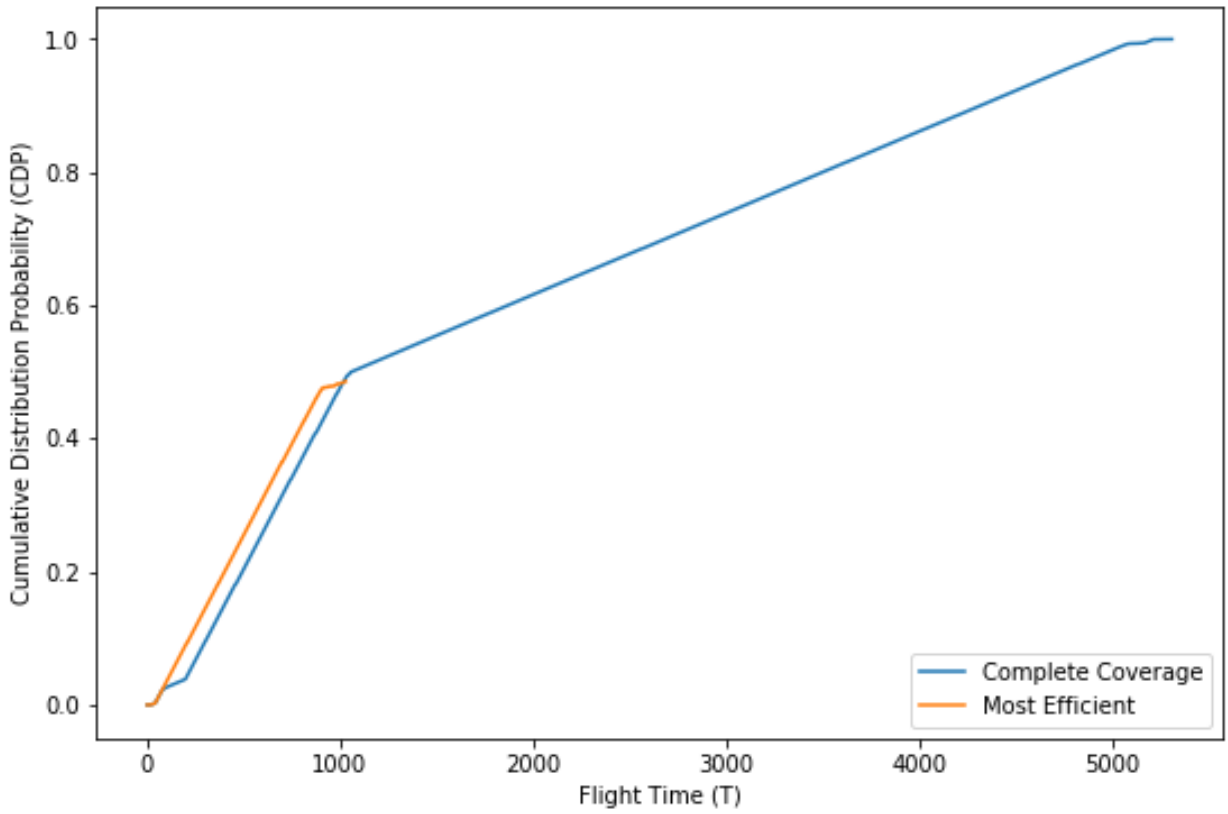
CSCE 625 Project 1 Report

Ankur Roy Chowdhury (927001907)

Heatmap 1 Reports

CDP vs Time:



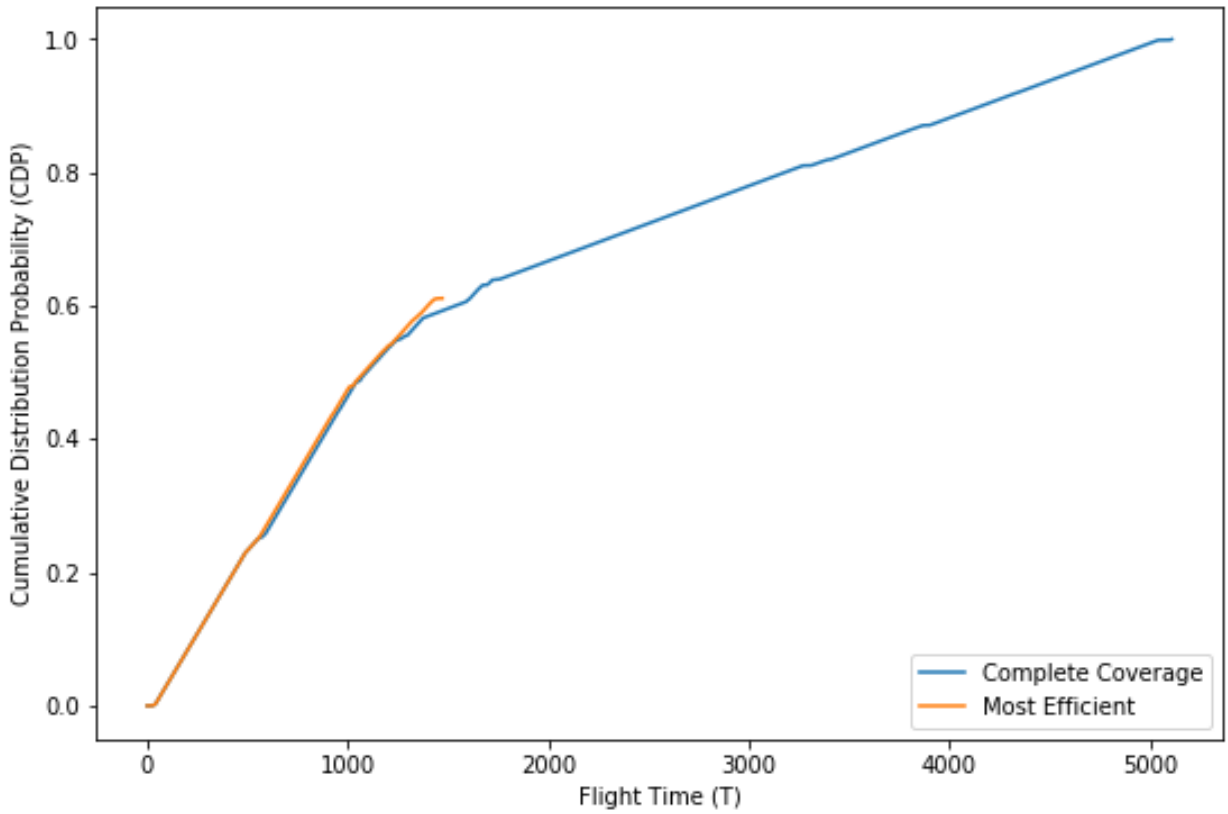
Note: The "*most efficient*" path assumes we need to cover as much probability as possible given a specified time. In our case this time is T = 900. This path does not, however, guarantee complete coverage.

Efficiency vs Time:

	T = 100	**T = 200**	**T = 300**	**T = 600**	**T = 900**
Complete Coverage					
Efficiency	66.66	41.13	62.85	81.41	87.87
Efficiency$_{LB}$	47.81	62.85	56.96	77.61	87.24
Most Efficient					
Efficiency	86.07	94.21	95.24	97.39	98.34
Efficiency$_{LB}$	61.72	95.24	86.32	92.83	97.64

Heatmap 2 Reports

CDP vs Time



Note: The "*most efficient*" path assumes we need to cover as much probability as possible given a specified time. In our case this time is T = 900. This path does not, however, guarantee complete coverage.

Efficiency vs Time

	T = 100	**T = 200**	**T = 300**	**T = 600**	**T = 900**
Complete Coverage					
Efficiency	98.09	99.25	99.53	91.70	94.47
Efficiency$_{LB}$	63.41	81.79	87.88	86.34	90.79
Most Efficient					
Efficiency	98.26	99.32	99.57	99.44	99.40
Efficiency$_{LB}$	63.52	81.85	87.92	93.63	95.53