Indian Institute of Information Technology, Vadodara

B.Tech Project : Sequential Analysis

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Simulation Output Report

Input Values :

[1] A = 5000
[2] Simulations (Iterations) = 5000
[3] Distribution = Mixture normal
    (.95*original_distribution + .05*N(20,4) ; N(20,4) is the error distribution.

Input Matrix

Mean	σ	Coefficient (c_i)	Sampling cost (a_i)
1	2	3	4
2	2	3	4
3	4	3	4
4	3	1	2
5	2	2	3
6	4	3	4
7	5	4	4
8	6	5	3
9	3	6	2
10	5	7	2

Output

Group-No	n_io	Mean (N_io) (Iterations=5000)	σ (N_io)
1	59.9794421780918	59	10.0876314872127
2	59.9794421780918	58	9.90305567298965
3	119.958884356184	118	14.8833483346836
4	42.4118702959152	41	8.64513403646824
5	46.1721961164865	45	8.72886446079643
6	119.958884356184	118	14.822869112616
7	199.931473926973	200	19.1809849954865
8	346.291470873649	338	23.4426122941586
9	254.471221775491	259	21.7873062433764
10	494.805153452344	493	31.678960057143

NOTE : Mean (N_io) are rounded off (Ceil Function)