

Assignment IV

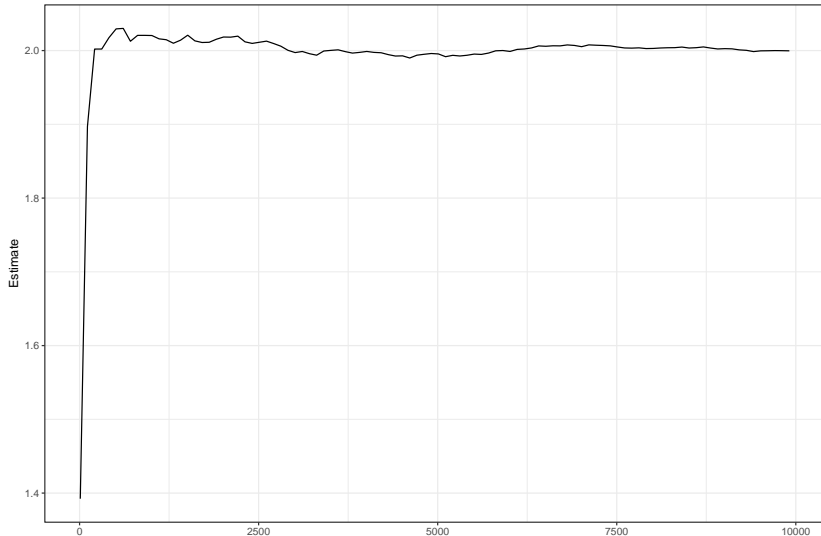
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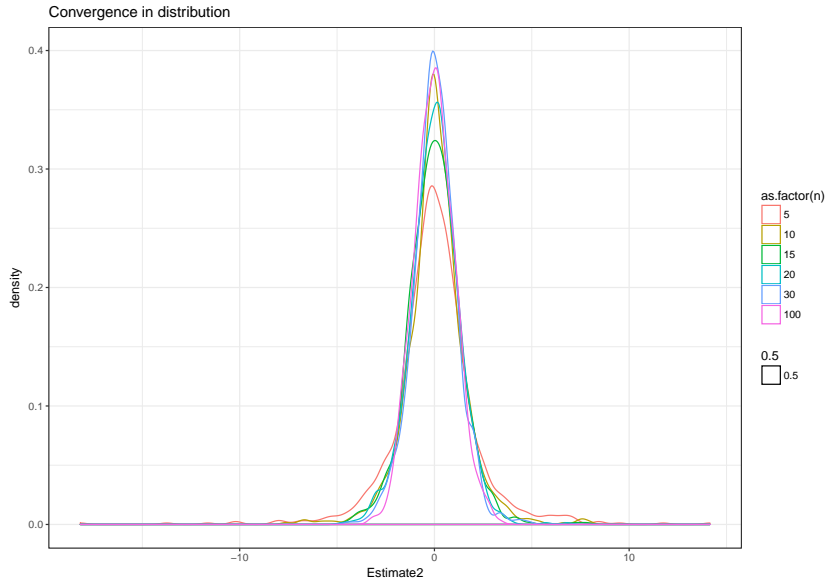
1 Explain to your students

$$y = 1 + 2x + e$$

Convergence in probability:

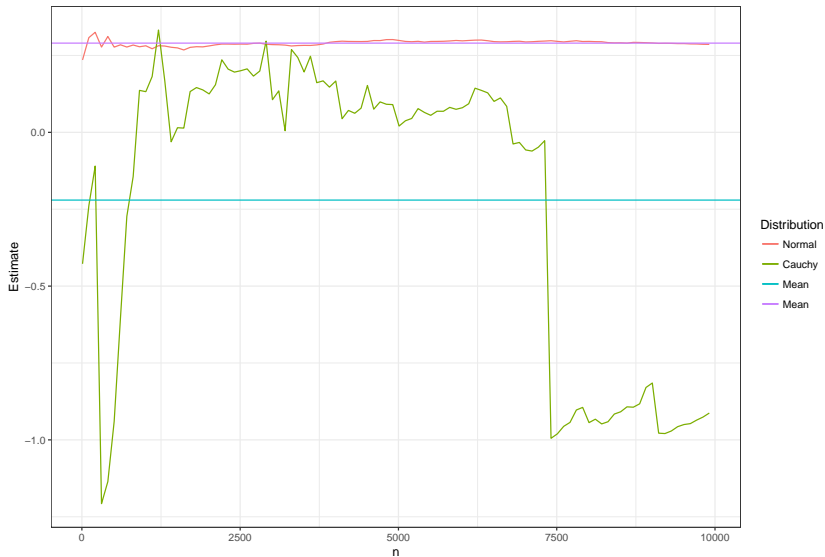


1 Explain to your students



2 Augustin-Louis Cauchy

Convergence in probability:



2 Augustin-Louis Cauchy

Table 1: Table 1: OLS Estimates

distribution	n	Estimate	Std. Error	t value	Pr(> t)
1	10	0.235	0.304	0.775	0.461
1	110	0.308	0.115	2.690	0.008
1	210	0.325	0.078	4.147	0.000
1	310	0.277	0.062	4.463	0.000
1	410	0.312	0.052	5.948	0.000
1	9410	0.289	0.010	28.090	0.000
1	9510	0.289	0.010	28.167	0.000
1	9610	0.288	0.010	28.219	0.000
1	9710	0.287	0.010	28.328	0.000
1	9810	0.286	0.010	28.403	0.000
1	9910	0.286	0.010	28.524	0.000

2 Augustin-Louis Cauchy

Table 2: Table 2: OLS Estimates

distribution	n	Estimate	Std. Error	t value	Pr(> t)
2	10	-0.427	0.413	-1.035	0.331
2	110	-0.239	0.712	-0.335	0.738
2	210	-0.110	0.399	-0.275	0.784
2	310	-1.207	1.385	-0.872	0.384
2	410	-1.136	1.022	-1.112	0.267
2	9410	-0.957	1.239	-0.772	0.440
2	9510	-0.950	1.227	-0.774	0.439
2	9610	-0.947	1.213	-0.781	0.435
2	9710	-0.936	1.201	-0.779	0.436
2	9810	-0.926	1.189	-0.779	0.436
2	9910	-0.913	1.176	-0.776	0.438