

***SOGA*: Inference of Probabilistic Programs by Second-order Gaussian Approximation Reproducibility Report**

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Table 6: Comparing ground truth and *SOGA* with varying pruning factors K , calculated using PSI. Rows display absolute percentage errors ($|\%e|$) for different K , with C denoting components without pruning.

Model	Ground Truth	SOGA								
		K=∞			K=⌈.015C⌉		K=⌈.00725C⌉		K=⌈.003625C⌉	
		time	[%e]	C	time	[%e]	time	[%e]	time	[%e]
Bernoulli	0.250	to	1954	to	to	to	to	to	to	
ClickGraph	0.614	to	4600	to	to	to	to	to	to	
ClinicalTrial	0.755	to	5795	to	to	to	to	to	to	
RadarQuery	6.333	to	2042	to	to	to	to	to	to	
Coinbias	0.421	to	7687	to	to	to	to	to	to	
Surveyunbias	0.625	to	6902	to	to	to	to	to	to	