

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

Francesca Randone¹, Emilio Incerto², Luca Bortolussi¹, and Mirco Tribastone²

¹ University of Trieste, Italy

² IMT School for Advanced Studies Lucca, Italy

Table 4: Evaluation of *SOGA*'s runtime under an increasing number of Gaussian components used to represent non-Gaussian distributions ($\#comp$). The ground-truth value is computed via PSI: 0.800 for Coinbias and 0.416 for Surveyunbias.

#comp.	Coinbias			Surveyunbias		
	<i>time</i>	%e	<i>C</i>	<i>time</i>	%e	<i>C</i>
1	to	-	-	to	-	-
2	to	-	-	to	-	-
4	to	-	-	to	-	-
6	to	-	-	to	-	-