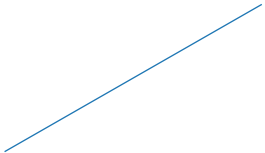
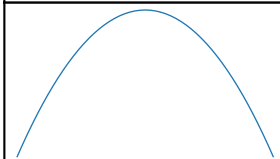
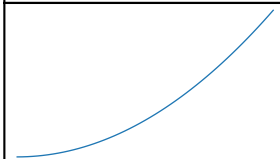
Number of new infections per serial interval	Sampling	Inference Parameter (n)	AUROC Beneficial	AUROC Deleterious
	Finite	Time-Varying	0.832	0.779
		Constant	**0.937**	**0.881**
	Perfect	**Time-Varying**	**0.999**	**0.992**
		Constant	0.973	0.940
	Finite	Time-Varying	0.873	0.821
		Constant	**0.944**	**0.882**
	Perfect	**Time-Varying**	**1.0**	**0.999**
		Constant	0.986	0.950
	Finite	Time-Varying	0.798	0.736
		Constant	**0.873**	**0.824**
	Perfect	**Time-Varying**	**0.981**	**0.935**
		Constant	0.905	0.863