

## THE MOST REFINED RUN:

**W eco (0., 1.0, 0.1), W soc (0., 1-param1\_val+0.1, 0.1), K (-5., 10.8, 0.8), Recovery rate (0., 1.1, 0.1), delay of societal (0., 20, 1):**

Total variance on day 10 in Divorce: 40518413043369.0234

An estimate of the first-order sensitivity index of W eco on day 10 is 0.0003

An estimate of the first-order sensitivity index of W soc on day 10 is 0.0029

An estimate of the first-order sensitivity index of K on day 10 is 0.2324

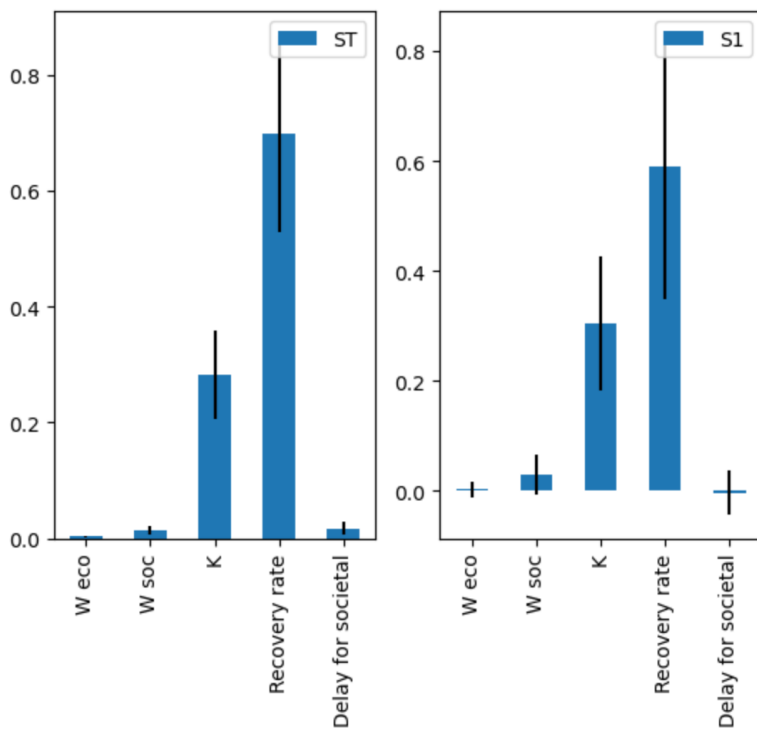
An estimate of the first-order sensitivity index of Recovery rate on day 10 is 0.7090

An estimate of the first-order sensitivity index of Delay for societal on day 10 is 0.0002

	ST	ST_conf
W eco	0.003195	0.001570
W soc	0.013437	0.007333
K	0.282145	0.076146
Recovery rate	0.697511	0.169429
Delay for societal	0.017451	0.011681

	S1	S1_conf
W eco	0.002683	0.014104
W soc	0.030359	0.035811
K	0.304157	0.121289
Recovery rate	0.588671	0.240298
Delay for societal	-0.002908	0.039763



## LESS REFINED RUNS:

W eco (0., 1.2, 0.2), W soc (0., 1-param1\_val+0.2, 0.2), K (-4., 4.8, 0.8), Recovery rate (0., 1.2, 0.2), delay of societal (0.5, 11, 1):

Total variance on year 2018 in Divorce: 52599193305849.8359

An estimate of the first-order sensitivity index of W eco on year 2018 is 0.0005

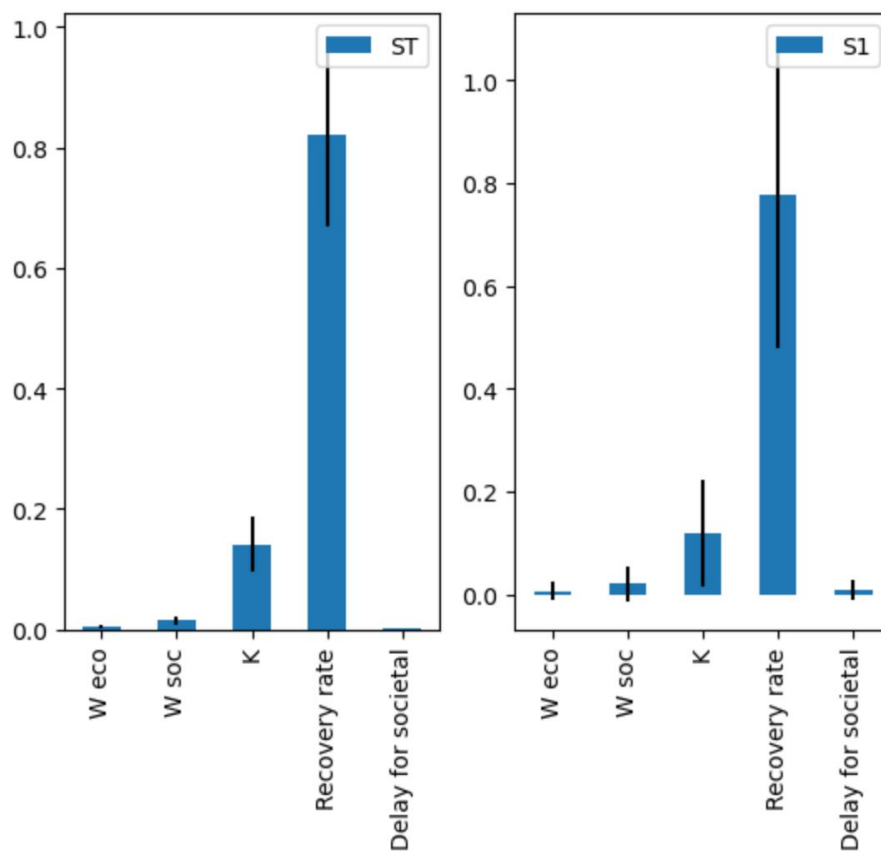
An estimate of the first-order sensitivity index of W soc on year 2018 is 0.0035

An estimate of the first-order sensitivity index of K on year 2018 is 0.0657

An estimate of the first-order sensitivity index of Recovery rate on year 2018 is 0.9091

An estimate of the first-order sensitivity index of Delay for societal on year 2018 is 0.0000

ST	ST_conf		
W eco	0.005169	0.002454	
W soc	0.014445	0.007048	
K	0.141083	0.045766	
Recovery rate	0.820847	0.153151	
Delay for societal	0.001621	0.001060	
	S1	S1_conf	
W eco	0.005985	0.018465	
W soc	0.020190	0.034277	
K	0.119279	0.103693	
Recovery rate	0.776640	0.299362	
Delay for societal	0.007249	0.019118	



**W eco (0., 1.1, 0.1), W soc (0., 1-param1\_val+0.1, 0.1), K (-4., 10.8, 0.8), Recovery rate(0., 1.2, 0.2),  
delay of societal(0, 20, 1):**

Total variance on year 2018 in Divorce: 48200602868142.0859

An estimate of the first-order sensitivity index of W eco on year 2018 is 0.0004

An estimate of the first-order sensitivity index of W soc on year 2018 is 0.0012

An estimate of the first-order sensitivity index of K on year 2018 is 0.1453

An estimate of the first-order sensitivity index of Recovery rate on year 2018 is 0.7979

An estimate of the first-order sensitivity index of Delay for societal on year 2018 is 0.0003