

Name	#Traces	#Events
BPI 2020 (Domestic Declarations)	10.500	56.437
BPI 2020 (International Declarations)	6.449	72.151

Table 1: Evaluation datasets.

Size	N-Grams	IBk	Naive Bayes	Random Forest	Hoeffding
small	4	7	7	1008	924
medium	6	11	11	1980	1452
large	9	14	14	2618	1694

Table 2: Size of the configuration space per classifier.

Data	Opt.	Size	N-Grams	IBk	Naive Bayes	Random Forest	Hoeffding
D	G	small	.452s - 98%	685.8s - 97%	7.79s - 86%	3705s - 97%	776.1s - 91%
D	G	medium	.565s - 98%	1042s - 97%	11.47s - 87%	7393s - 97%	1225s - 91%
D	G	large	.834s - 98%	1411s - 97%	15.07s - 91%	10272s - 97%	1495s - 91%
D	R	small	.412s - 98%	667.3s - 97%	7.462s - 86%	373.8s - 97%	83.97s - 91%
D	R	medium	.585s - 98%	1042s - 97%	11.64s - 87%	371.1s - 97%	83.52s - 91%
D	R	large	.839s - 98%	1415s - 97%	15.58s - 91%	395.6s - 97%	83.80s - 91%
D	B	small	.408s - 98%	259.6s - 97%	7.543s - 86%	11.20s - 97%	3.178s - 91%
D	B	medium	.568s - 98%	338.6s - 97%	3.514s - 87%	12.87s - 97%	5.494s - 91%
D	B	large	.848s - 98%	1282s - 97%	3.858s - 86%	44.02s - 97%	3.539s - 91%
I	G	small	.634s - 98%	747.3s - 96%	11.18s - 82%	5958s - 96%	984.2s - 86%
I	G	medium	.917s - 98%	1246s - 96%	17.53s - 82%	11702s - 96%	1557.4s - 87%
I	G	large	1.47s - 98%	168.2s - 96%	23.03s - 82%	16218s - 96%	1881s - 87%
I	R	small	.683s - 98%	762.4s - 96%	11.11s - 82%	593.7s - 96%	108.5s - 86%
I	R	medium	.939s - 98%	1216s - 96%	17.26s - 82%	615.9s - 96%	108.4s - 87%
I	R	large	1.471s - 98%	172.7s - 96%	22.80s - 82%	638.5s - 96%	106.6s - 87%
I	B	small	.644s - 98%	736.3s - 96%	11.19s - 82%	21.61s - 96%	8.46s - 86%
I	B	medium	.842s - 98%	436.9s - 96%	6.635s - 82%	15.39s - 96%	6.446s - 86%
I	B	large	1.52s - 98%	408.9s - 96%	4.623s - 82%	18.06s - 96%	5.257s - 86%

Table 3: Evaluation of the runtime per classifier. (D: Domestic Declarations, I: International Declarations, G: Grid Optimizer, R: Random Optimizer, B: Bayesian Optimizer, each cell contains runtime in seconds and accuracy in percent)