

Methods	Opioids		Injection Meth		Benzodiazepines	
Classifiers	LG	DT	LG	DT	LG	DT
Baseline	0.500 0.159		0.500 0.114		0.500 0.129	
Current Usage as Lone Predictor	0.596 ± 0.010 0.248 ± 0.008	0.558 ± 0.009 0.199 ± 0.004	0.610 ± 0.011 0.190 ± 0.006	0.601 ± 0.010 0.158 ± 0.004	0.552 ± 0.012 0.175 ± 0.007	0.582 ± 0.010 0.162 ± 0.005
Top $k$ Mutual Information	0.551 ± 0.011 0.248 ± 0.008	0.496 ± 0.008 0.179 ± 0.004	0.445 ± 0.012 0.150 ± 0.006	0.485 ± 0.009 0.125 ± 0.002	0.437 ± 0.013 0.166 ± 0.008	0.458 ± 0.008 0.120 ± 0.001
Random Forest	0.599 ± 0.009 0.292 ± 0.010	0.512 ± 0.005 0.181 ± 0.002	0.587 ± 0.011 0.213 ± 0.009	0.475 ± 0.003 0.119 ± 0.000	0.488 ± 0.012 0.172 ± 0.007	0.500 ± 0.005 0.126 ± 0.002
Forward Selection	0.635 ± 0.011 0.327 ± 0.012	0.530 ± 0.011 0.211 ± 0.006	0.446 ± 0.012 0.140 ± 0.004	0.495 ± 0.010 0.147 ± 0.005	0.395 ± 0.007 0.123 ± 0.003	0.493 ± 0.012 0.145 ± 0.004
Genetic Algorithm	0.592 ± 0.012 0.296 ± 0.012	0.526 ± 0.012 0.220 ± 0.009	0.496 ± 0.013 0.177 ± 0.008	0.487 ± 0.014 0.148 ± 0.006	0.448 ± 0.014 0.165 ± 0.008	0.485 ± 0.011 0.139 ± 0.005
Manual Grouping	0.684 ± 0.010 0.382 ± 0.013	0.582 ± 0.009 0.259 ± 0.010	0.622 ± 0.010 0.245 ± 0.012	0.565 ± 0.010 0.153 ± 0.004	0.602 ± 0.013 0.279 ± 0.014	0.566 ± 0.010 0.156 ± 0.006
Top- $k$ Correlated	<b>0.761</b> ± 0.009 <b>0.447</b> ± 0.015	<b>0.702</b> ± 0.013 <b>0.426</b> ± 0.015	<b>0.761</b> ± 0.009 <b>0.401</b> ± 0.015	<b>0.631</b> ± 0.009 <b>0.187</b> ± 0.011	<b>0.730</b> ± 0.011 <b>0.370</b> ± 0.015	<b>0.647</b> ± 0.012 <b>0.266</b> ± 0.012