Input: Data on units $i = 1, N$ with covariates Z_i and a binary	
	treatment indicator D_i
Result: BLP, GATES, CLAN	
1: begin	
2:	Fix the number of splits S and significance level α , e.g. $S = 100$ and
	lpha=0.05
3:	Compute the propensity scores $p(Z_i)$
4:	Split the data S times into equally sized subsamples $Data_A$, $Data_M$
5:	for $s = 1 \dots S$ do
6:	for Algo in ML Algorithms do
7:	Tune and train $Algo$ in $Data_A$ to learn $B(Z_i)$ and $S(Z_i)$
8:	Predict $B(Z_i)$ and $S(Z_i)$ in $Data_M$
9:	Construct k groups based on proxy $S(Z_i)$
10:	Estimate BLP parameters in $Data_M$
11:	Estimate GATES parameters in $Data_M$
12:	Estimate CLAN parameters in $Data_M$
13:	Compute performance measures
14:	end
15:	end
16:	Compute medians of parameters of interest, adjusted confidence
	intervals, adjusted p-values, and medians of performance measures
17: end	