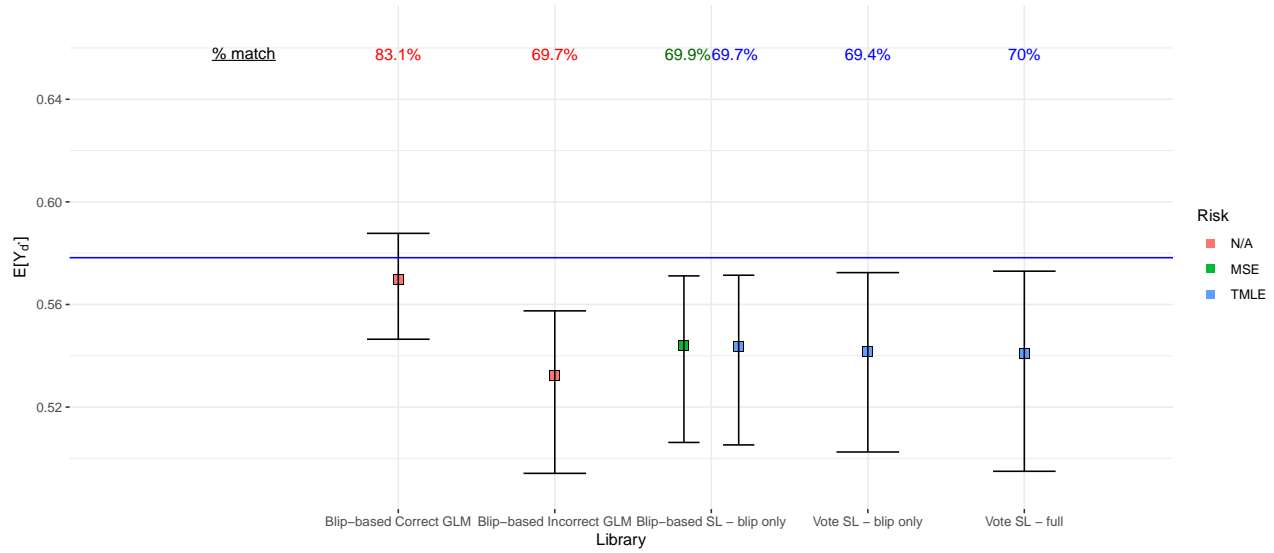


CONT

Simulation Results: DGP 1



	MSE	TMLE
Bias	-0.03435	-0.03470
Variance	0.00032	0.00029
MSE	0.00150	0.00150
coef.SL.glm	0.09546	0.12654
coef.SL.mean	0.27211	0.14098
coef.SL.glm.interaction	0.24739	0.18893
coef.SL.earth	0.12259	0.15239
coef.SL.nnet	0.07484	0.12411
coef.SL.svm	0.09453	0.13560
coef.SL.rpart	0.09307	0.13145

Table 1: cont - 1a

	TMLE
Bias	-0.03724
Variance	0.00041
MSE	0.00179
coef.DonV.DonV.SL.glm_All	0.06519
coef.DonV.DonV.SL.mean_All	0.04298
coef.DonV.DonV.SL.glm.interaction_All	0.12039
coef.DonV.DonV.SL.earth_All	0.09553
coef.DonV.DonV.SL.nnet_All	0.07569
coef.DonV.DonV.SL.svm_All	0.11764
coef.DonV.DonV.SL.rpart_All	0.06990
coef.Qlearn	0.05995
coef.OWL	0.05416
coef.EARL	0.04118
coef.optclass	0.08226
coef.RWL	0.04208
coef.treatall	0.05255
coef.treatnone	0.08051

Table 2: cont - 1b

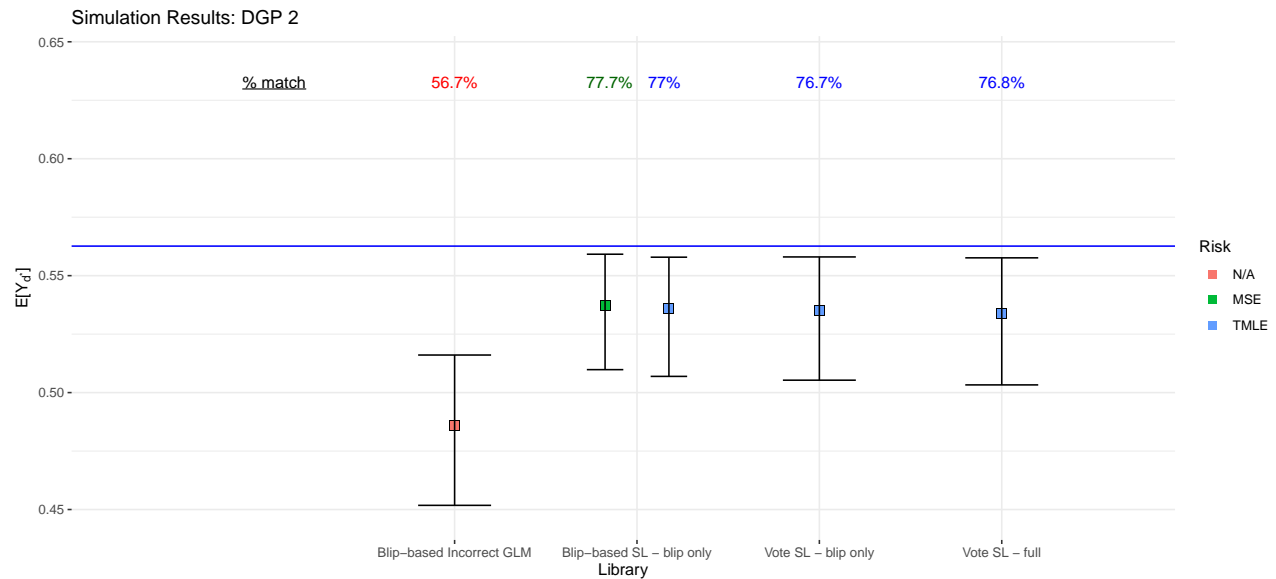
BIN

	TMLE
Bias	-0.03658
Variance	0.00034
MSE	0.00168
coef.DonV.DonV.SL.glm_All	0.11526
coef.DonV.DonV.SL.mean_All	0.12267
coef.DonV.DonV.SL.glm.interaction_All	0.17436
coef.DonV.DonV.SL.earth_All	0.14708
coef.DonV.DonV.SL.nnet_All	0.13212
coef.DonV.DonV.SL.svm_All	0.18544
coef.DonV.DonV.SL.rpart_All	0.12307

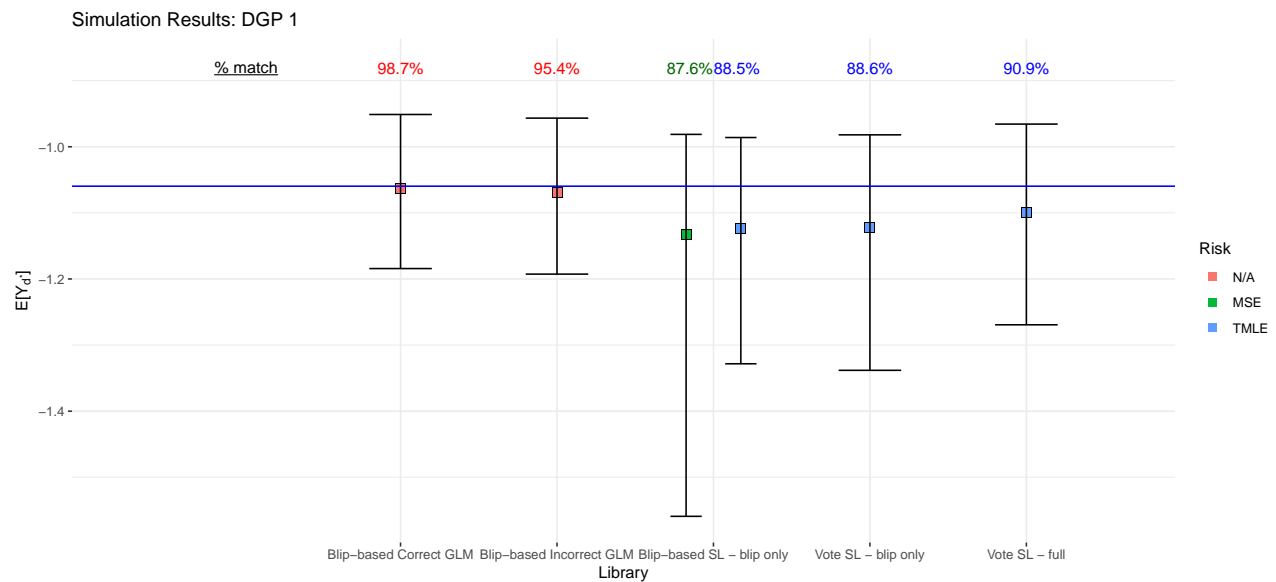
Table 3: cont - 1c

	MSE	TMLE
Bias	-0.00842	-0.00842
Variance	0.00012	0.00012
MSE	0.00019	0.00019
estimates..1.....grep.colnames.estimates..1.....pattern....coef...	1.00000	1.00000

Table 4: cont - step3a



SMOOTH



	MSE	TMLE
Bias	-0.04580	-0.04580
Variance	0.00027	0.00027
MSE	0.00237	0.00237
estimates..1.....grep.colnames.estimates..1.....pattern....coef...	1.00000	1.00000

Table 5: cont - step5a

	MSE	TMLE
Bias	-0.02533	-0.02683
Variance	0.00015	0.00016
MSE	0.00080	0.00088
coef.SL.glm	0.05282	0.09355
coef.SL.mean	0.13224	0.11436
coef.SL.glm.interaction	0.03420	0.07687
coef.SL.earth	0.27292	0.26934
coef.SL.nnet	0.10743	0.09954
coef.SL.svm	0.19965	0.17341
coef.SL.rpart	0.20075	0.17293

Table 6: bin - 1a

	TMLE
Bias	-0.02876
Variance	0.00020
MSE	0.00103
coef.DonV.DonV.SL.glm_All	0.03969
coef.DonV.DonV.SL.mean_All	0.04205
coef.DonV.DonV.SL.glm.interaction_All	0.03846
coef.DonV.DonV.SL.earth_All	0.17439
coef.DonV.DonV.SL.nnet_All	0.06079
coef.DonV.DonV.SL.svm_All	0.09472
coef.DonV.DonV.SL.rpart_All	0.13960
coef.Qlearn	0.05002
coef.OWL	0.06393
coef.EARL	0.04036
coef.optclass	0.08888
coef.RWL	0.03772
coef.treatall	0.06968
coef.treatnone	0.05971

Table 7: bin - 1b

	TMLE
Bias	-0.02771
Variance	0.00019
MSE	0.00096
coef.DonV.DonV.SL.glm_All	0.06863
coef.DonV.DonV.SL.mean_All	0.08247
coef.DonV.DonV.SL.glm.interaction_All	0.06399
coef.DonV.DonV.SL.earth_All	0.27890
coef.DonV.DonV.SL.nnet_All	0.11346
coef.DonV.DonV.SL.svm_All	0.15793
coef.DonV.DonV.SL.rpart_All	0.23462

Table 8: bin - 1c

	MSE	TMLE
Bias	-0.07652	-0.07652
Variance	0.00027	0.00027
MSE	0.00613	0.00613
estimates..1.....grep.colnames.estimates..1.....pattern....coef...	1.00000	1.00000

Table 9: bin - step5a

	MSE	TMLE
Bias	-0.07379	-0.06421
Variance	0.01443	0.00758
MSE	0.01986	0.01170
coef.SL.glm	0.44603	0.27515
coef.SL.mean	0.13043	0.11315
coef.SL.glm.interaction	0.10093	0.13870
coef.SL.earth	0.08642	0.12161
coef.SL.nnet	0.09612	0.13762
coef.SL.svm	0.05824	0.09139
coef.SL.rpart	0.08183	0.12237

Table 10: smooth - SL blip based

	TMLE
Bias	-0.04020
Variance	0.00632
MSE	0.00793
coef.DonV.DonV.SL.glm_All	0.06711
coef.DonV.DonV.SL.mean_All	0.05509
coef.DonV.DonV.SL.glm.interaction_All	0.06046
coef.DonV.DonV.SL.earth_All	0.07712
coef.DonV.DonV.SL.nnet_All	0.06372
coef.DonV.DonV.SL.svm_All	0.06169
coef.DonV.DonV.SL.rpart_All	0.08113
coef.Qlearn	0.07307
coef.OWL	0.07239
coef.EARL	0.10323
coef.optclass	0.07881
coef.RWL	0.06771
coef.treatall	0.07068
coef.treatnone	0.06779

Table 11: smooth - SL vote all

	TMLE
Bias	-0.06252
Variance	0.00854
MSE	0.01244
coef.DonV.DonV.SL.glm_All	0.19664
coef.DonV.DonV.SL.mean_All	0.09887
coef.DonV.DonV.SL.glm.interaction_All	0.12916
coef.DonV.DonV.SL.earth_All	0.14071
coef.DonV.DonV.SL.nnet_All	0.14820
coef.DonV.DonV.SL.svm_All	0.11114
coef.DonV.DonV.SL.rpart_All	0.17527

Table 12: smooth - SL vote blip

	TMLE
Bias	-0.00279
Variance	0.00339
MSE	0.00339
estimates..1.....grep.colnames.estimates..1.....pattern....coef...	1.00000

Table 13: smooth - correct blip GLM

	TMLE
Bias	-0.00944
Variance	0.00344
MSE	0.00352
estimates..1.....grep.colnames.estimates..1.....pattern....coef...	1.00000

Table 14: smooth - incorrect blip GLM