

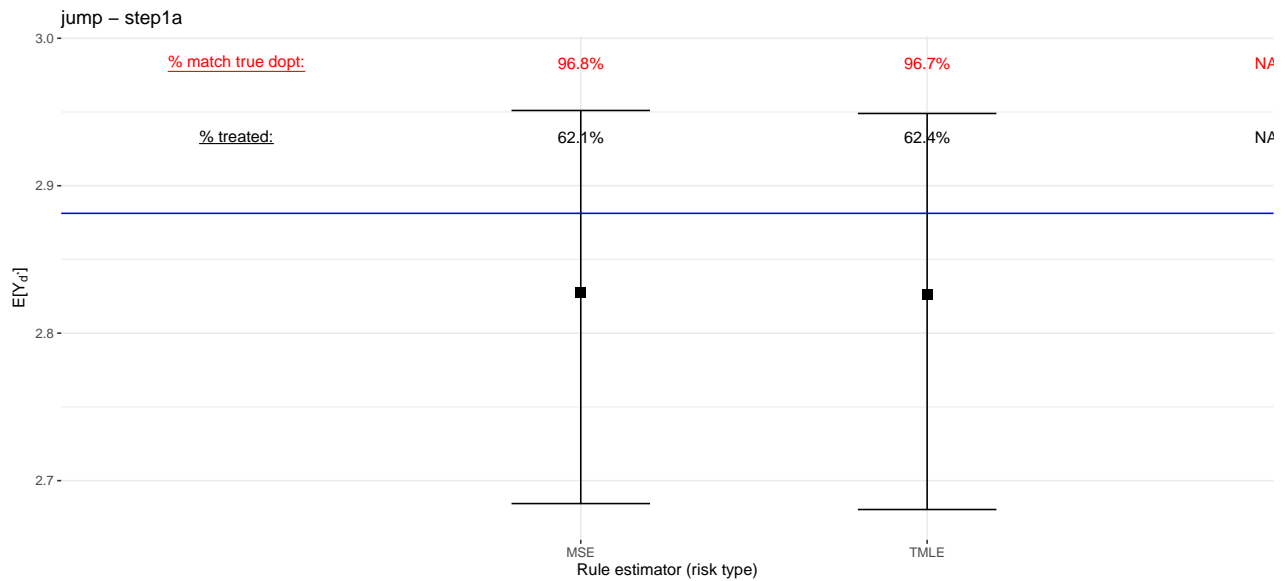
Simulation Results - jump

Vote library = "OWL", "EARL", "optclass", "RWL", "Qlearn", "DonV", "treatall", "treatnone"

1 Step 1

- blip (a) and majority vote (b) SuperLearner
- Blip and QAW library = c("SL.glm", "SL.mean", "SL.glm.interaction", "SL.earth", "SL.nnet")

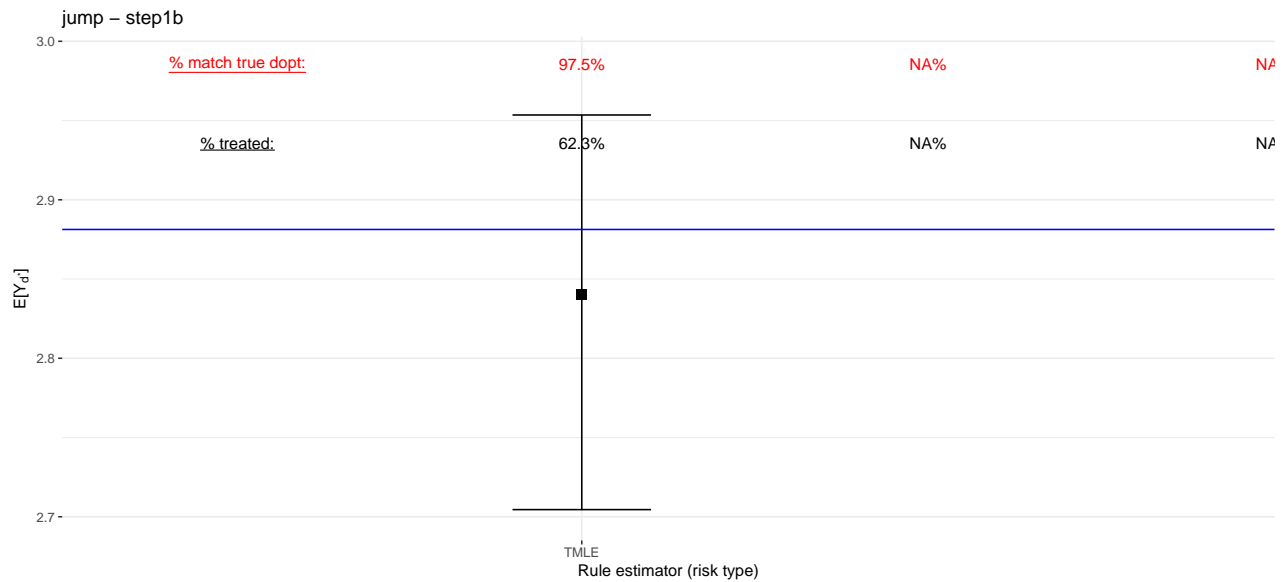
1.1 Blip-based SL (a)



	MSE	TMLE
Bias	-0.05378	-0.05470
Variance	0.00586	0.00466
MSE	0.00875	0.00765
coef.SL.glm	0.14699	0.11458
coef.SL.mean	0.04465	0.13949
coef.SL.glm.interaction	0.06114	0.09331
coef.SL.earth	0.11612	0.12141
coef.SL.nnet	0.40014	0.22561
coef.SL.svm	0.06508	0.09737
coef.SL.rpart	0.16588	0.20823

Table 1: jump - step1a

1.2 vote-based SL (b)



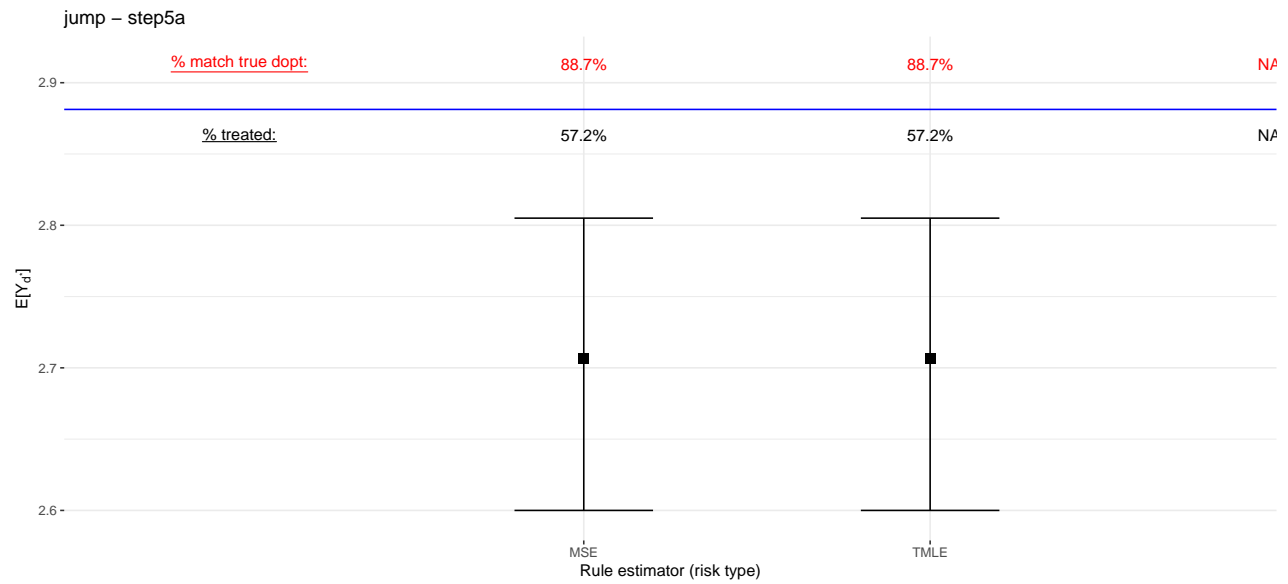
	TMLE
Bias	-0.04090
Variance	0.00380
MSE	0.00547
coef.DonV.DonV.SL.glm.All	0.02505
coef.DonV.DonV.SL.mean.All	0.04141
coef.DonV.DonV.SL.glm.interaction.All	0.02834
coef.DonV.DonV.SL.earth.All	0.04695
coef.DonV.DonV.SL.nnet.All	0.05050
coef.DonV.DonV.SL.svm.All	0.03660
coef.DonV.DonV.SL.rpart.All	0.12815
coef.Qlearn.Qlearn.SL.glm.All	0.04434
coef.Qlearn.Qlearn.SL.mean.All	0.04067
coef.Qlearn.Qlearn.SL.glm.interaction.All	0.02534
coef.Qlearn.Qlearn.SL.earth.All	0.03875
coef.Qlearn.Qlearn.SL.nnet.All	0.04016
coef.Qlearn.Qlearn.SL.svm.All	0.03591
coef.Qlearn.Qlearn.SL.rpart.All	0.06685
coef.OWL	0.04362
coef.EARL	0.02692
coef.optclass	0.16482
coef.RWL	0.03084
coef.treatall	0.04379
coef.treatnone	0.04099

Table 2: jump – step1b

2 Step 5

- blip (a) and majority vote (b) SuperLearner
- incorrect glm QAV, incorrect glm QAW

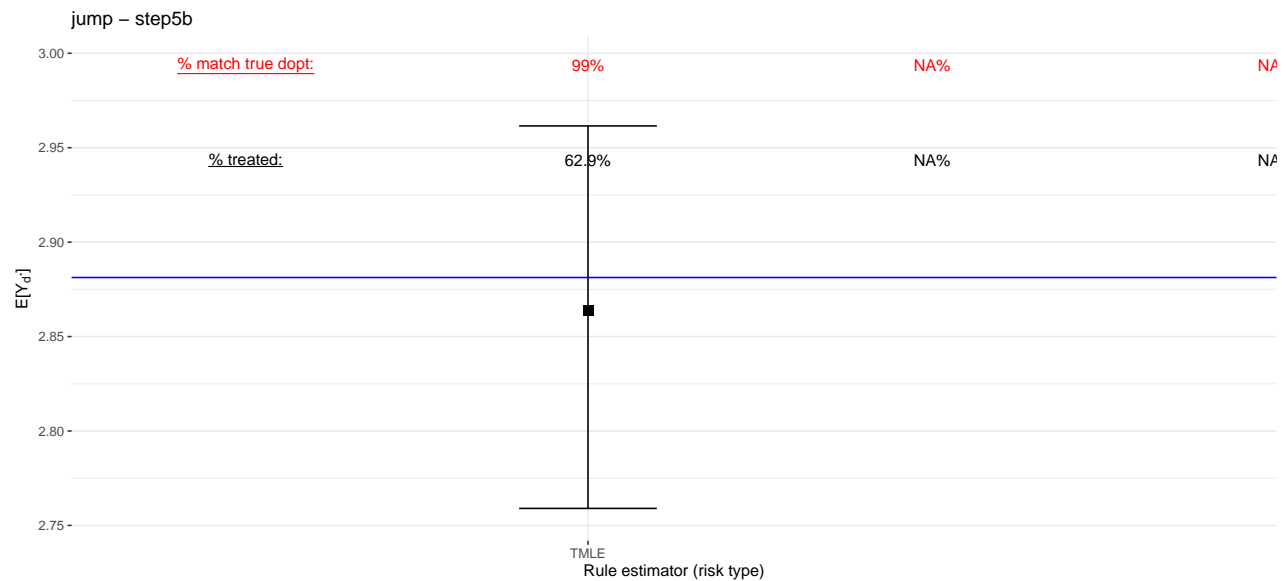
2.1 Blip-based SL (a)



	MSE	TMLE
Bias	-0.17497	-0.17497
Variance	0.00275	0.00275
MSE	0.03336	0.03336
estimates..1.....grep.colnames.estimates..1.....pattern....coef...	1.00000	1.00000

Table 3: jump - step5a

2.2 vote-based SL (b)



	TMLE
Bias	-0.01759
Variance	0.00281
MSE	0.00312
coef.DonV.SL.glm.All	0.02398
coef.Qlearn.SL.QAW.incorrect.All	0.02613
coef.OWL	0.04719
coef.EARL	0.03596
coef.optclass	0.74239
coef.RWL	0.04182
coef.treatall	0.05089
coef.treatnone	0.03163

Table 4: jump - step5a