

Confidence interval

RCT Gold Standard
(Caironi et al. 2014)

Unadjusted risk difference

-0.07(-0.07 to -0.07)

Propensity Score Matching

Agg=['last'], Est=Regularized LR

-0.03(-0.06 to -0.01)

Agg=['first'], Est=Regularized LR

-0.03(-0.06 to -0.02)

Agg=['first', 'last'], Est=Regularized LR

-0.01(-0.03 to 0.01)

Agg=['last'], Est=Forests

-0.04(-0.09 to -0.02)

Agg=['first'], Est=Forests

-0.02(-0.06 to 0.00)

Agg=['first', 'last'], Est=Forests

-0.13(-0.14 to 0.06)

Inverse Propensity Weighting

Agg=['last'], Est=Regularized LR

-0.04(-0.07 to -0.01)

Agg=['first'], Est=Regularized LR

-0.03(-0.06 to 0.00)

Agg=['first', 'last'], Est=Regularized LR

-0.03(-0.05 to -0.00)

Agg=['last'], Est=Forests

-0.04(-0.05 to -0.03)

Agg=['first'], Est=Forests

-0.03(-0.05 to -0.02)

Agg=['first', 'last'], Est=Forests

-0.06(-0.07 to -0.05)

Outcome model (Tlearner)

Agg=['last'], Est=Regularized LR

-0.05(-0.12 to 0.02)

Agg=['first'], Est=Regularized LR

-0.05(-0.12 to 0.01)

Agg=['first', 'last'], Est=Regularized LR

-0.05(-0.12 to 0.01)

Agg=['last'], Est=Forests

-0.02(-0.22 to 0.18)

Agg=['first'], Est=Forests

-0.02(-0.21 to 0.17)

Agg=['first', 'last'], Est=Forests

-0.01(-0.21 to 0.18)

Causal Forest

Agg=['last'], Est=Regularized LR

-0.07(-0.22 to 0.09)

Agg=['first'], Est=Regularized LR

-0.06(-0.22 to 0.10)

Agg=['first', 'last'], Est=Regularized LR

-0.06(-0.22 to 0.10)

Agg=['last'], Est=Forests

-0.07(-0.22 to 0.09)

Agg=['first'], Est=Forests

-0.06(-0.22 to 0.10)

Agg=['first', 'last'], Est=Forests

-0.06(-0.22 to 0.10)

Double Machine Learning

Agg=['last'], Est=Regularized LR

-0.07(-0.08 to -0.06)

Agg=['first'], Est=Regularized LR

-0.07(-0.08 to -0.06)

Agg=['first', 'last'], Est=Regularized LR

-0.06(-0.07 to -0.05)

Agg=['last'], Est=Forests

-0.03(-0.04 to -0.02)

Agg=['first'], Est=Forests

-0.02(-0.03 to -0.01)

Agg=['first', 'last'], Est=Forests

-0.01(-0.03 to 0.00)

Doubly Robust (AIPW)

Agg=['last'], Est=Regularized LR

-0.09(-0.13 to -0.04)

Agg=['first'], Est=Regularized LR

-0.08(-0.10 to -0.05)

Agg=['first', 'last'], Est=Regularized LR

-0.09(-0.14 to -0.03)

Agg=['last'], Est=Forests

-0.02(-0.03 to -0.00)

Agg=['first'], Est=Forests

-0.01(-0.02 to 0.00)

Agg=['first', 'last'], Est=Forests

0.02(0.00 to 0.04)

-0.2 -0.1 0.0 0.1

ATE on 28-day mortality