Nation, unweighted

RMSE: 0.69 pp
Bias: 0.52 pp

Female, 45–64, HS
in nation

State-by-State, unweighted
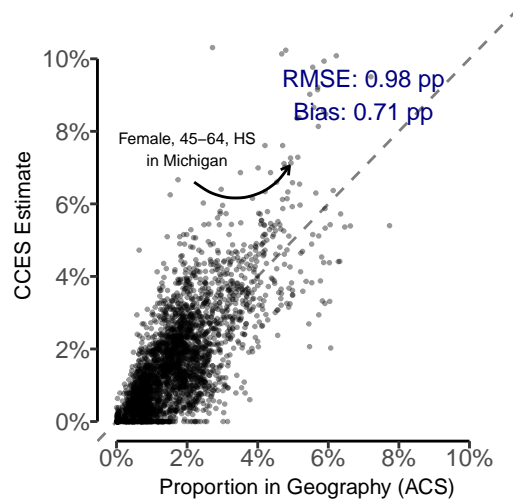
RMSE: 0.98 pp
Bias: 0.71 pp

Female, 45–64, HS
in Michigan

CD-by-CD, unweighted

RMSE: 1.50 pp
Bias: 1.08 pp

Nation, weighted

RMSE: 0.22 pp
Bias: 0.16 pp

State-by-State, weighted

RMSE: 0.90 pp
Bias: 0.53 pp

CD-by-CD, weighted

RMSE: 1.87 pp
Bias: 1.19 pp

CCES Estimate

Proportion in Geography (ACS)
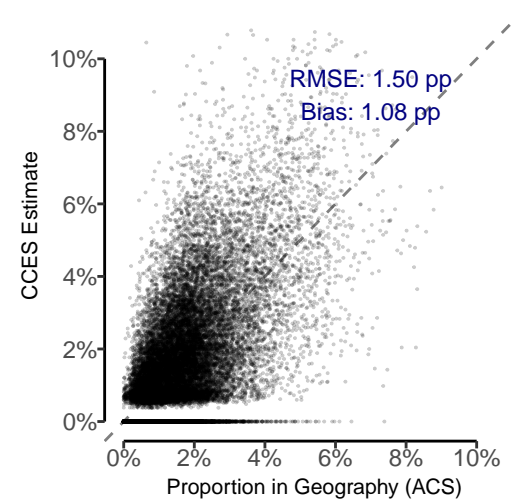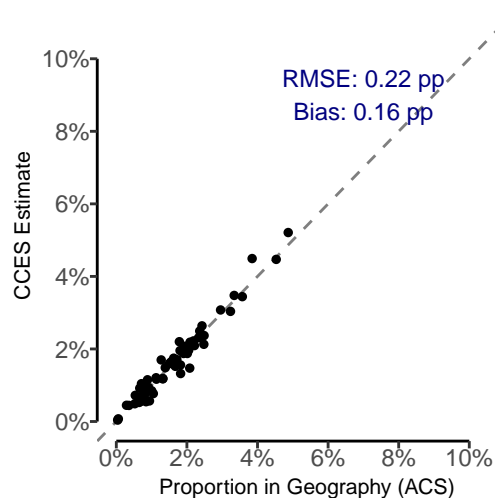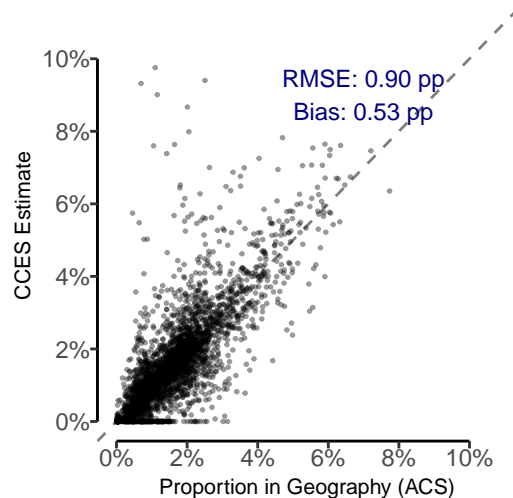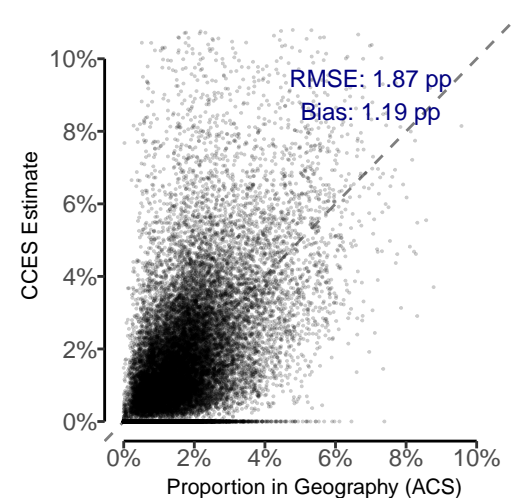
Source: CCES 2018, ACS 1yr 2017. All CCES weighting uses YouGov's national weights, even for state/CD subsets in middle/right panels.
CCES/ACS estimate the proportion of a {gender x age bin x education} cell (60 combinations) per geography (1 nation, 50 states, or 435 CDs).