Ensembles

Main ensembles

Main ensembles considered are: unweighted mean/median; mean/median weighted by inverse scaled relative WIS.

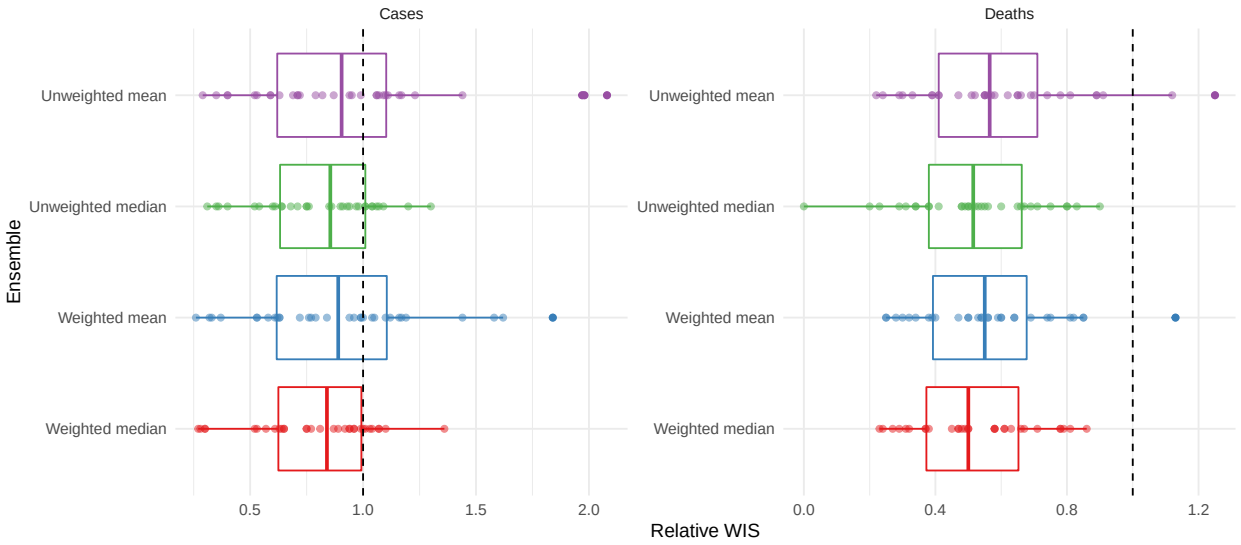


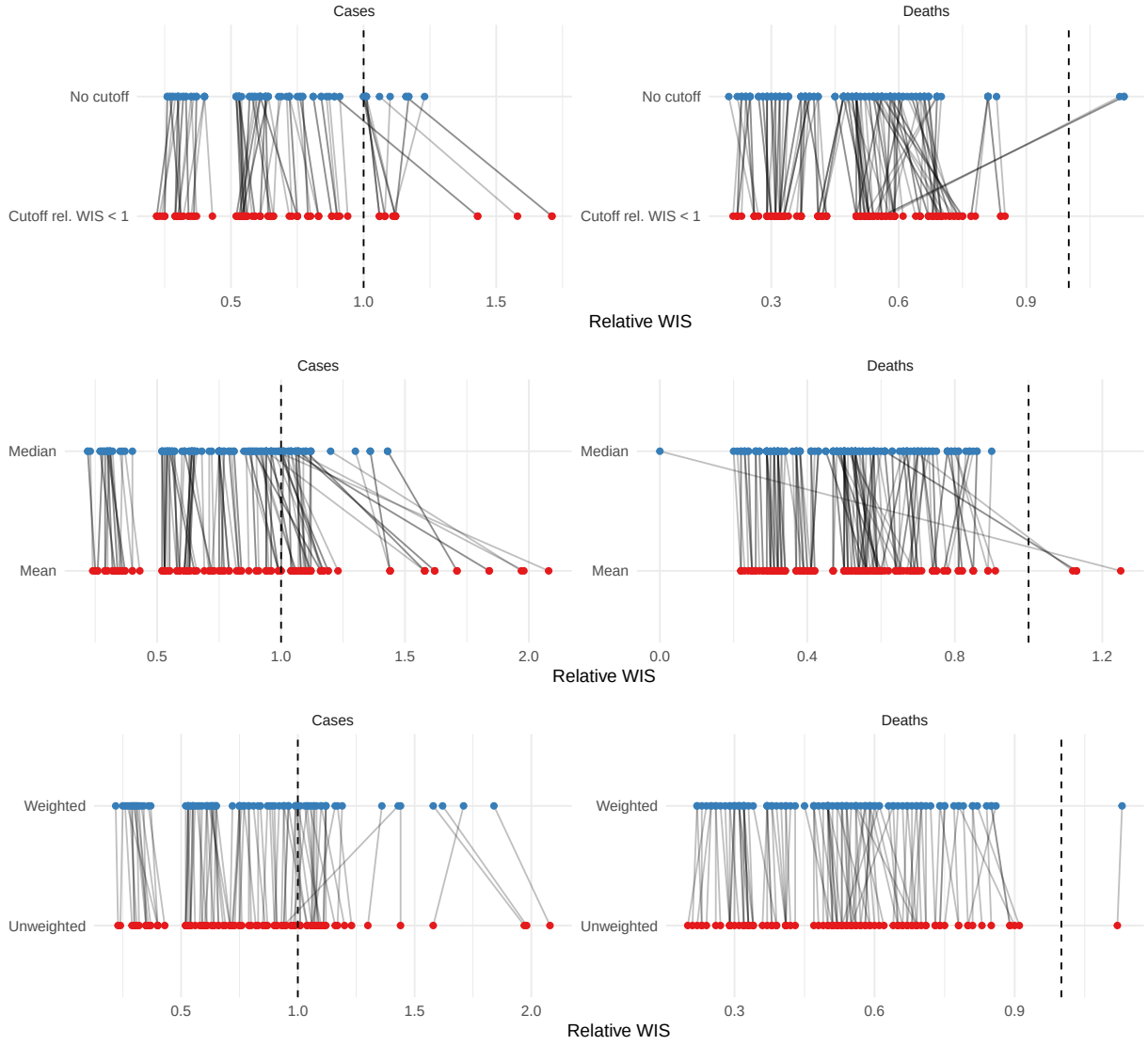
Figure 1: Main ensembles, using all component models and considering all of the history. Each point is one country.

Table 1: Predictive performance of main ensembles, as measured by the scaled relative WIS.

Horizon	Weighted mean	Weighted median	Unweighted mean	Unweighted median
Cases				
1 week	0.69	0.67	0.71	0.68
2 weeks	0.89	0.81	0.94	0.83
3 weeks	1.14	0.97	1.23	0.99
4 weeks	1.50	1.06	1.57	1.07
Deaths				
1 week	0.53	0.51	0.55	0.53
2 weeks	0.43	0.43	0.44	0.43
3 weeks	0.43	0.40	0.43	0.40
4 weeks	0.49	0.41	0.50	0.41

Variations on main ensembles

We further considered: a *cutoff* (i.e., creating only ensembles from models that had relative scaled WIS < 1 across all forecast horizons for a given target/country); and *limited history* (i.e., only considering the last 5/10 weeks of scores for the weighted ensemble, as opposed to the whole history). Each point in the countries below represent one country/method/target triplet at the 2-week horizon, with only one aspect of the ensemble varying between the top and bottom rows, connected by lines.



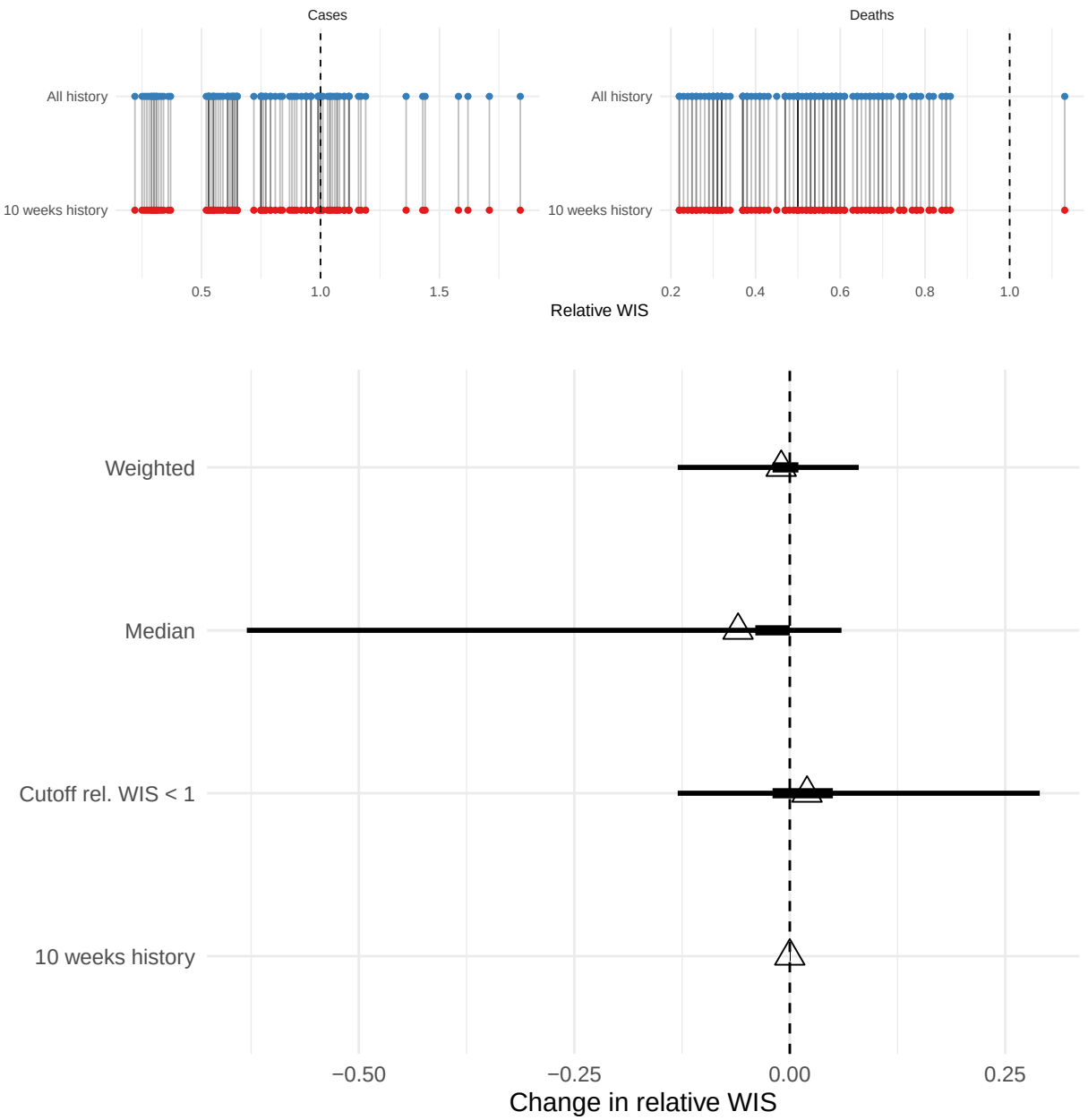


Figure 2: Aggregate differences between ensemble variants; shown are the central 48% and 96% intervals (thick/thin lines) and means of the distribution of difference in rel. WIS across all methods/countries.