IMF and Benchmark Forecasts

2

A short note on error handling

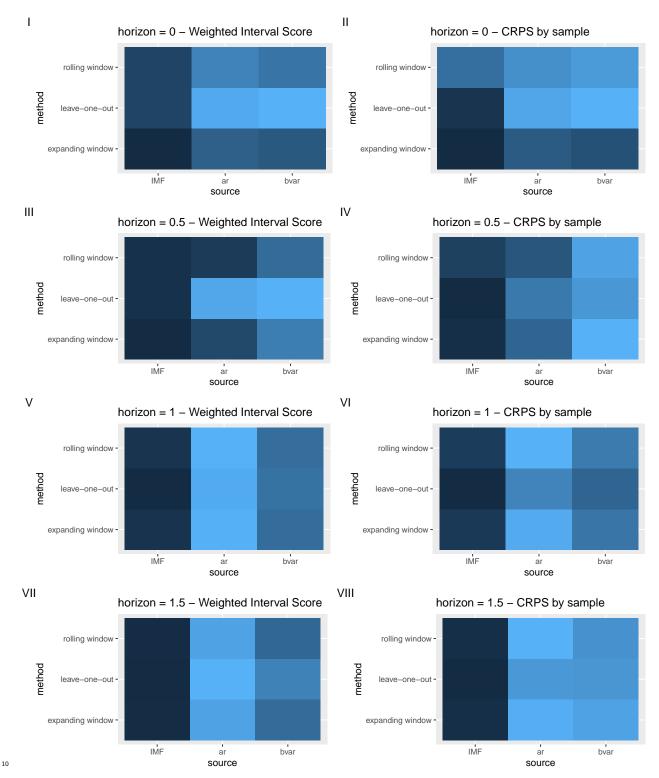
- 4 In almost all 72 cases, absolute error handling gives lower scores than directional error handling. The only
- 5 exception is the inflation series for the IMF forecasts and horizon 0, where the expanding window and rolling
- 6 window method give slightly lower scores for the directional methodology. We thus decide to focus on the
- 7 absolute errors in this document.

² Scores, by estimation method, Horizon and forecast source

	IMF	ar	bvar			
horizon = 0						
expanding window_interval_score	0.115	0.123	0.122			
expanding window_sample_crps	0.087	0.092	0.091			
leave-one-out_interval_score	0.119	0.133	0.134			
leave-one-out_sample_crps	0.088	0.099	0.100			
rolling window_interval_score	0.119	0.128	0.126			
rolling window_sample_crps	0.094	0.097	0.098			
horizon = 0.5						
expanding window_interval_score	0.258	0.272	0.296			
expanding window_sample_crps	0.182	0.208	0.241			
leave-one-out_interval_score	0.261	0.313	0.317			

$leave-one-out_sample_crps$	0.180	0.217	0.230			
rolling window_interval_score	0.261	0.266	0.288			
rolling window_sample_crps	0.191	0.201	0.235			
horizon = 1						
expanding window_interval_score	0.448	0.737	0.590			
expanding window_sample_crps	0.327	0.504	0.426			
$leave-one-out_interval_score$	0.427	0.726	0.600			
leave-one-out_sample_crps	0.302	0.448	0.400			
rolling window_interval_score	0.451	0.739	0.591			
rolling window_sample_crps	0.333	0.514	0.434			
horizon = 1.5						
expanding window_interval_score	0.495	1.044	0.800			
expanding window_sample_crps	0.346	0.627	0.602			
leave-one-out_interval_score	0.487	1.103	0.903			
leave-one-out_sample_crps	0.337	0.583	0.577			
rolling window_interval_score	0.494	1.041	0.779			
rolling window_sample_crps	0.347	0.632	0.570			

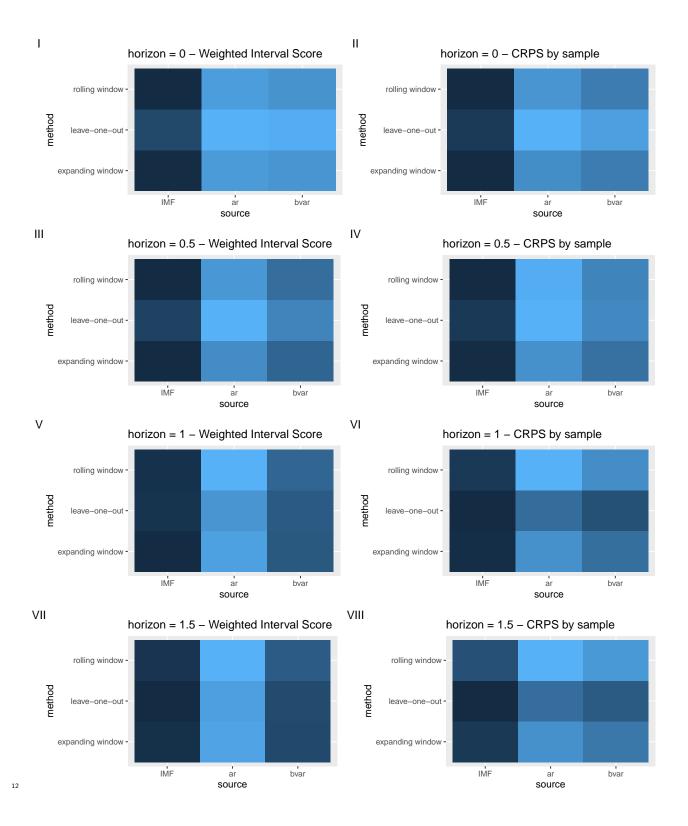
9 2.1 Inflation



11 2.2 GDP

	IMF	ar	bvar
horizon = 0			
expanding window_interval_score	0.241	0.301	0.298
expanding window_sample_crps	0.178	0.209	0.204
leave-one-out_interval_score	0.257	0.312	0.310
leave-one-out_sample_crps	0.183	0.219	0.214
rolling window_interval_score	0.240	0.302	0.297
rolling window_sample_crps	0.178	0.211	0.204
horizon = 0.5	<u> </u>		
expanding window_interval_score	0.416	0.540	0.493
expanding window_sample_crps	0.298	0.383	0.358
leave-one-out_interval_score	0.448	0.583	0.531
leave-one-out_sample_crps	0.310	0.408	0.377
rolling window_interval_score	0.416	0.554	0.504
rolling window_sample_crps	0.297	0.405	0.373
horizon = 1			
expanding window_interval_score	0.837	1.090	0.942
expanding window_sample_crps	0.640	0.822	0.763
leave-one-out_interval_score	0.858	1.067	0.948
leave-one-out_sample_crps	0.634	0.759	0.709
rolling window_interval_score	0.851	1.122	0.970
rolling window_sample_crps	0.663	0.875	0.815
horizon = 1.5			
expanding window_interval_score	1.045	1.288	1.102
expanding window_sample_crps	0.790	0.937	0.897

$leave-one-out_interval_score$	1.034	1.278	1.107
$leave-one-out_sample_crps$	0.765	0.882	0.849
rolling window_interval_score	1.056	1.312	1.143
rolling window_sample_crps	0.831	0.985	0.949



3 Coverage, by target, methods and source

