

## Pros and Cons

Absolute	Directional
<ul style="list-style-type: none"> <li>+ symmetric CI's and IMF forecast as median perhaps more intuitive</li> <li>- interpretation of the IMF point forecast as the median might simply be wrong</li> </ul>	<ul style="list-style-type: none"> <li>- point forecast may not be contained in prediction intervals → unintuitive?</li> <li>+ no assumptions placed on IMF point forecast's underlying functional</li> </ul>
<ul style="list-style-type: none"> <li>+ coverage rates and scores are better (especially for inflation)</li> <li>+ works well "out-of-the-box" with intuitive and easy to explain <code>type = 7</code> quantile type</li> </ul>	<ul style="list-style-type: none"> <li>- especially coverage is often subpar</li> <li>± results can be improved with <code>type = 8</code> quantile type, BUT loses some interpretability as quantiles don't directly stem from order statistics</li> </ul>
<ul style="list-style-type: none"> <li>+ PAVA "works" and has minimal impact: &lt; 5% of "follow-up" corrections at any step</li> </ul>	<ul style="list-style-type: none"> <li>- PAVA is simply a mess: for 39% of target years, predictions are <i>entirely</i> smoothed across <i>all</i> horizons</li> </ul>
<ul style="list-style-type: none"> <li>- assumptions on the underlying process of the forecast errors are somewhat strong/weird</li> <li>- intervals aren't actually central</li> </ul>	<ul style="list-style-type: none"> <li>+ math/theory is more neat</li> </ul>

## Inflation - Scores

		<u>absolute</u>		<u>directional</u>	
		type = 7	type = 8	type = 7	type = 8
h = 0	expanding	<b>0.115</b>	<b>0.115</b>	0.125	0.125
	rolling	<b>0.119</b>	<b>0.119</b>	0.133	0.133
h = 0.5	expanding	0.258	0.258	0.256	<b><u>0.255</u></b>
	rolling	0.261	0.260	0.262	<b><u>0.259</u></b>
h = 1	expanding	<b>0.447</b>	<b>0.447</b>	0.507	<u>0.492</u>
	rolling	0.458	<b>0.455</b>	0.509	<u>0.492</u>
h = 1.5	expanding	<b>0.503</b>	0.506	0.553	<u>0.542</u>
	rolling	<b>0.506</b>	0.507	0.563	<u>0.546</u>

## GDP Growth - Scores

		<u>absolute</u>		<u>directional</u>	
		type = 7	type = 8	type = 7	type = 8
h = 0	expanding	0.241	<b>0.240</b>	0.244	0.248
	rolling	0.240	<b>0.239</b>	0.260	<u>0.255</u>
h = 0.5	expanding	<b>0.416</b>	0.417	<b>0.416</b>	0.420
	rolling	0.416	0.415	0.444	<u>0.439</u>
h = 1	expanding	0.846	0.852	0.842	<b><u>0.831</u></b>
	rolling	0.858	<b>0.856</b>	0.900	<u>0.877</u>
h = 1.5	expanding	1.063	1.060	1.071	<b><u>1.059</u></b>
	rolling	1.075	<b>1.071</b>	1.134	<u>1.098</u>

## Inflation - Coverage

		<u>absolute</u>		<u>directional</u>	
		type = 7	type = 8	type = 7	type = 8
80%	expanding	0.755	<b>0.781</b>	0.653	<u>0.735</u>
	rolling	0.712	<b>0.753</b>	0.599	<u>0.681</u>
50%	expanding	<b>0.431</b>	<b>0.431</b>	0.375	<u>0.418</u>
	rolling	<b>0.444</b>	<b>0.444</b>	0.360	<u>0.436</u>

## GDP Growth - Coverage

		<u>absolute</u>		<u>directional</u>	
		type = 7	type = 8	type = 7	type = 8
80%	expanding	0.783	<b>0.801</b>	0.702	<u>0.783</u>
	rolling	0.730	<b>0.760</b>	0.633	<u>0.747</u>
80%	expanding	0.554	0.554	0.457	<b><u>0.520</u></b>
	rolling	0.508	<b>0.508</b>	0.370	<u>0.434</u>