



A new verification method for assessing competing forecast performance with timing errors

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Assessing which of two competing forecast models is better (in some sense) is a common necessity in research, as well as research to operations. However, many obstacles clutter the ability to correctly test such hypotheses including temporal (as well as spatial) correlation, contemporaneous correlation, and timing errors. A method is presented that accounts for all of these types of errors. In particular, the method for addressing timing errors (by way of a discrete time warp algorithm) may be particularly useful for ascertaining performance in the special case of forecasting high-impact weather phenomena.