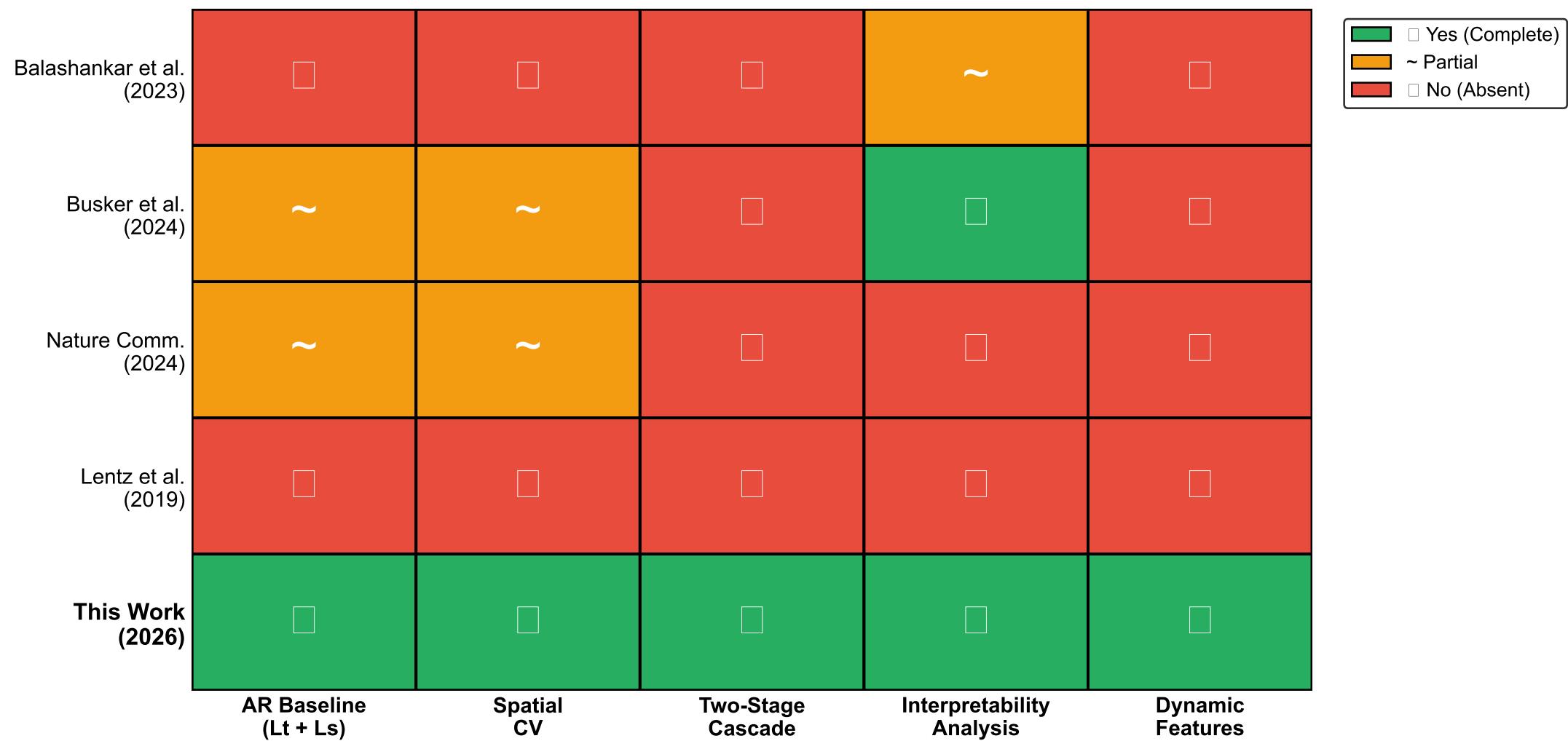


Methodological Gaps in Food Security Forecasting Literature



AGENT-VERIFIED from full methodology sections (34 web searches, 10 full-text fetches):
 AR Baseline (Lt + Ls): Balashankar used RF with traditional factors (no AR-only), Busker used persistence (no Ls), Nature Comm used ARIMA (no Ls), Lentz compared vs IPC ratings (no AR). NONE used Lt + Ls.
 Spatial CV: All used temporal validation (Balashankar: temporal folds, Busker/Nature: walk-forward, Lentz: 2010-2013). NO spatial blocking or leave-one-region-out found.
 Interpretability: Busker explicitly used SHAP for livelihood-zone heterogeneity. Others: limited or unclear.
 Dynamic Features: NONE used HMM or DMD.

Sources: Science Advances PMC, Earth's Future, Nature Comm, ScienceDirect, ResearchGate (Jan 4, 2026)