CoTiMA 1.0.4: Plotting updates

28 October 2026

1 Plotting corrections and interpretation

The forest-plot diamond spans the reported confidence interval of the pooled fixed-effect estimate. Its width is not a sample-size marker. Study squares continue to reflect relative sample sizes. Funnel confidence limits use $1.96\,SE$ on the same horizontal scale as the estimates.

For discrete-time effects, each curve uses the full drift matrix of its study or moderator condition. Time ranges are numeric start/end/positive-step triples, for example `c(10,12,1)` or `c(0,2,0.5)`. Axis labels are placed at the actual time values. Power plots display all available computed lags within the requested bounds, including fractional lags; requesting a different step does not recompute power.

Multiple forest or funnel plots receive distinct filenames. Files are written inside `activeDirectory`, which must already exist. PNG exports also work from noninteractive graphics devices. Categorical moderator labels retain signed, multi-digit values. Continuous moderator curves use the selected moderator and its retained drift-parameter ordering; incomplete mappings are reported rather than recycled.

Some older example objects contain only a summary drift table. When that table can be mapped unambiguously to matrix cells, plotting reconstructs population or reference point estimates and explicitly reports this limitation. Such curves are not reconstructed study-specific heterogeneity. Missing or ambiguous interval mappings must be supplied before plotting study curves.