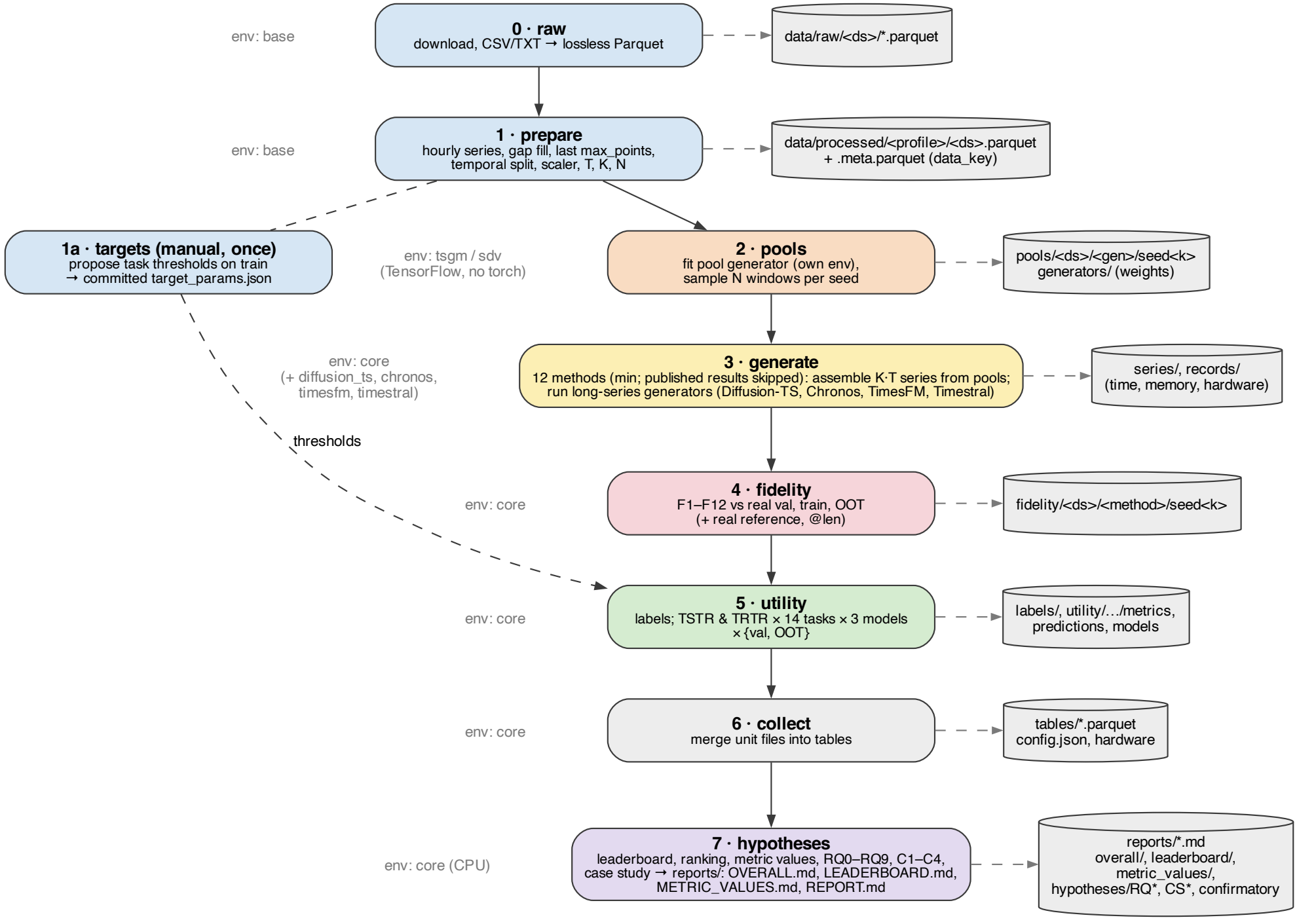

env: base
0 · raw
download, CSV/TXT → lossless Parquet
data/raw/<ds>/*.parquet
env: base
1 · prepare
hourly series, gap fill, last max_points,
temporal split, scaler, T, K, N
data/processed/<profile>/<ds>.parquet
+ .meta.parquet (data_key)
1a · targets (manual, once)
propose task thresholds on train
→ committed target_params.json
env: tsgm / sdv
(TensorFlow, no torch)
2 · pools
fit pool generator (own env),
sample N windows per seed
pools/<ds>/<gen>/seed<k>
generators/ (weights)
env: core
(+ diffusion_ts, chronos,
timesfm, timestral)
3 · generate
12 methods (min; published results skipped): assemble K·T series from pools;
run long-series generators (Diffusion-TS, Chronos, TimesFM, Timestral)
series/, records/
(time, memory, hardware)
thresholds
env: core
4 · fidelity
F1–F12 vs real val, train, OOT
(+ real reference, @len)
fidelity/<ds>/<method>/seed<k>
env: core
5 · utility
labels; TSTR & TRTR × 14 tasks × 3 models
× {val, OOT}
labels/, utility/…/metrics,
predictions, models
env: core
6 · collect
merge unit files into tables
tables/*.parquet
config.json, hardware
env: core (CPU)
7 · hypotheses
leaderboard, ranking, metric values, RQ0–RQ9, C1–C4,
case study → reports/: OVERALL.md, LEADERBOARD.md,
METRIC_VALUES.md, REPORT.md
reports/*.md
overall/, leaderboard/,
metric_values/,
hypotheses/RQ*, CS*, confirmatory