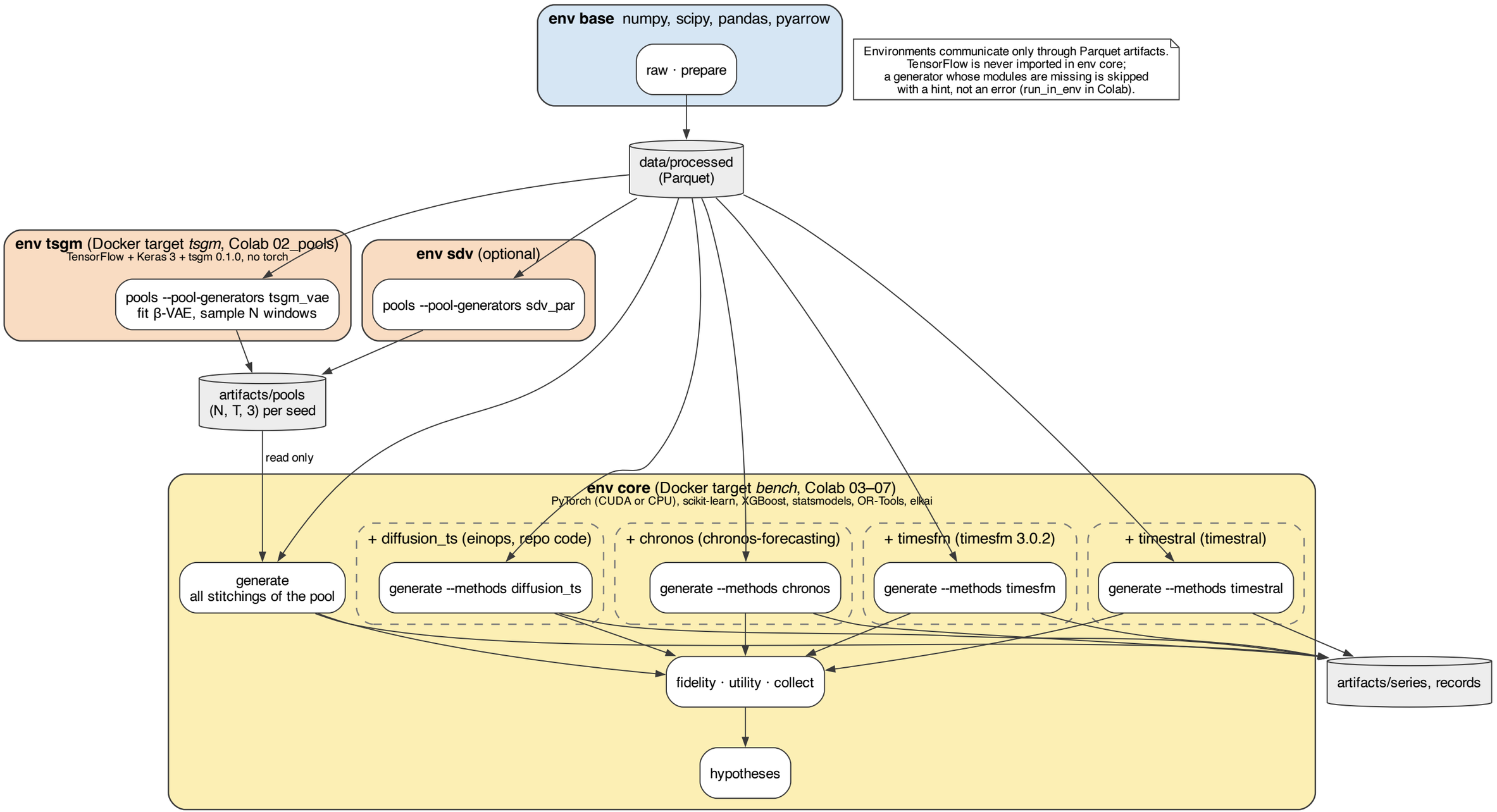

env base numpy, scipy, pandas, pyarrow
raw · prepare
Environments communicate only through Parquet artifacts.
TensorFlow is never imported in env core;
a generator whose modules are missing is skipped
with a hint, not an error (run_in_env in Colab).
data/processed
(Parquet)
env tsgm (Docker target tsgm, Colab 02_pools)
TensorFlow + Keras 3 + tsgm 0.1.0, no torch
pools --pool-generators tsgm_vae
fit β-VAE, sample N windows
env sdv (optional)
pools --pool-generators sdv_par
artifacts/pools
(N, T, 3) per seed
read only
env core (Docker target bench, Colab 03–07)
PyTorch (CUDA or CPU), scikit-learn, XGBoost, statsmodels, OR-Tools, elkai
+ diffusion_ts (einops, repo code)
+ chronos (chronos-forecasting)
+ timesfm (timesfm 3.0.2)
+ timestral (timestral)
generate
all stitchings of the pool
generate --methods diffusion_ts
generate --methods chronos
generate --methods timesfm
generate --methods timestral
fidelity · utility · collect
artifacts/series, records
hypotheses