

FACTORBASE DOCUMENTATION

Main File: RunBB.java reads config.cfg.

Flowchart:

1. Extract metadata. Especially Rnodes: metadata.sql script.
2. Run lattice generator on metadata to generate rchains.
3. Transfer the metadata information to _BN database for basenet learning.

Options

- “AutomaticSetup” = 1: means that the metadata will be extracted and written to the setup database. The method factorBaseDatabase.setupDatabase() executes this.
- “AutomaticSetup” = 0: means that learning starts with whatever is in the current setup database.

Use Case: run FactorBase with “AutomaticSetup” = 1 first. Then you can edit the setup database (using SQL), then rerun with “AutomaticSetup” = 0.

Downstream Inputs

factorBaseDatabase.getGlobalLattice

- Calls LatticeGenerator

Bayesnet learning

- Calls _transfer_initialize.sql and also transfer_cascade.sql. Where is which script called?
- Requires:
 - setup.1Nodes
 - setup.2Nodes
 - setup.RNodes_2Nodes
 - setup.RNodes
 - setup.RNodes_pvars
 - setup.LatticeRNodes
 - setup.FunctorSet F
 - setup.FNodes_pvars