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Abstract:

In this document, we firstly discuss and justify the preliminary probabilistic graphical models for the different application scenarios of the three use-case providers previously identified in Deliverable 1.2. Then, we introduce the AMIDST modelling framework as a general model class that can be applied to solve each of these application scenarios and, potentially, future similar problems in other domains.

Keyword list: AMIDST Modelling framework, application scenarios, preliminary models, data analysis, Bayesian networks, dynamic Bayesian networks, conditional linear Gaussian.