# README for Deliverables on Joint SFU-Huawei Project

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Project Code R832103

Project Title “Graph Modelling, Motifs, and Probabilistic Rules”

For complete system overview please see the instructions pdf “RuleLearning with VGAE” in the main project directory.

## Update Rule Learning System Factorbase

* See readme in directory factorbase.
* Created new version, fixed parameter learning.
* Ran on road scene dataset and on other benchmark datasets used in our projects.

## Applied Rule Learning to Benchmark Datasets

* See readme in directory ruleggm.
* Provided benchmark datasets in sql and in pygeometric formats
* Recorded rule learning output (sql on server, xml files in directory).

## New curated dataset for road scene graphs

* See readme in directory road\_scene\_data
* Data are stored in the following formats: csv (raw), pandas, sql (see road\_scene\_2\_new).
* Rule learning results (output from factorbase) are stored in sql dumps and xml bayesnet interchange format. BN interchange format files can be read by bayes.jar.
* Diagram of learned BN structure shown below

