



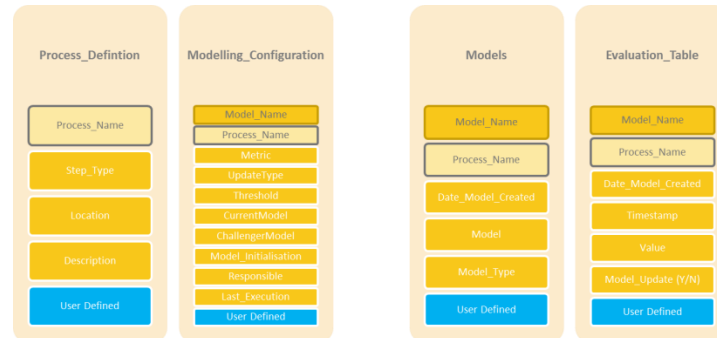
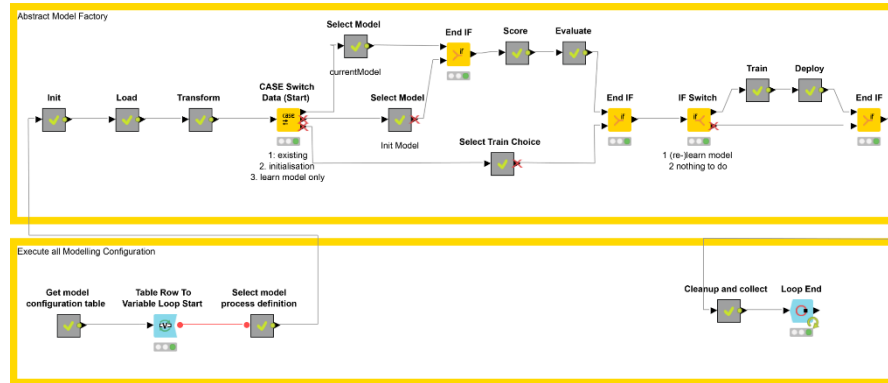
The KNIME Model Factory

- Workshop -



KNIME and The Next Generation Model Factory

Using a platform and well defined metadata to create, execute, monitor and control all aspects of modelling processes



The Tables

Process_Defintion

Process_Name

Step_Type

Location

Description

User Defined

Modelling_Configuration

Model_Name

Process_Name

Metric

UpdateType

Threshold

CurrentModel

ChallengerModel

Model_Initialisation

Responsible

Last_Execution

User Defined

Models

Model_Name

Process_Name

Date_Model_Created

Model

Model_Type

User Defined

Evaluation_Table

Model_Name

Process_Name

Date_Model_Created

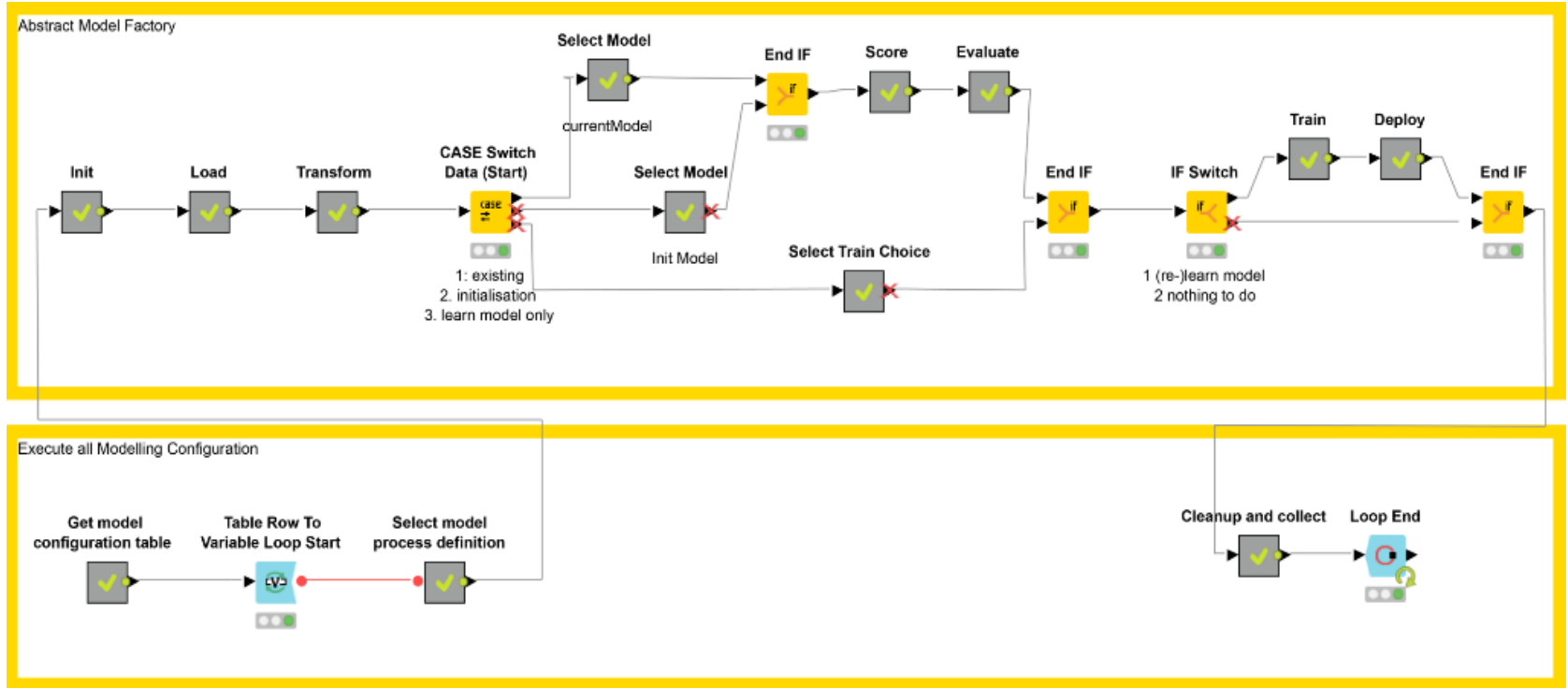
Timestamp

Value

Model_Update (Y/N)

User Defined

The Abstract Model Factory



The heart of the factory: Call Local Workflow

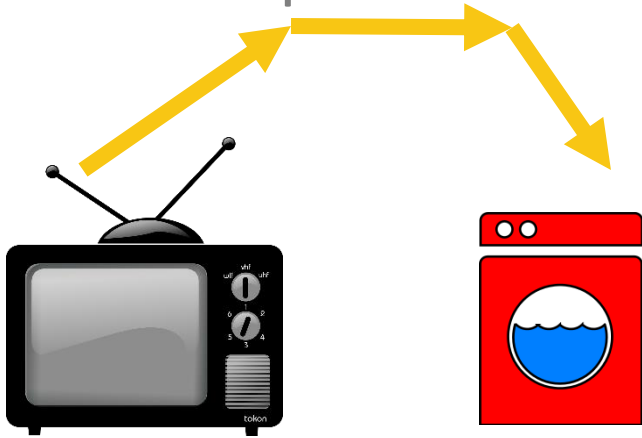


- Executes another workflow in the same instance
- Interface is via JSON

Needs Personal Productivity Licence
Get it for free from the KNIME Store

Two Use Cases

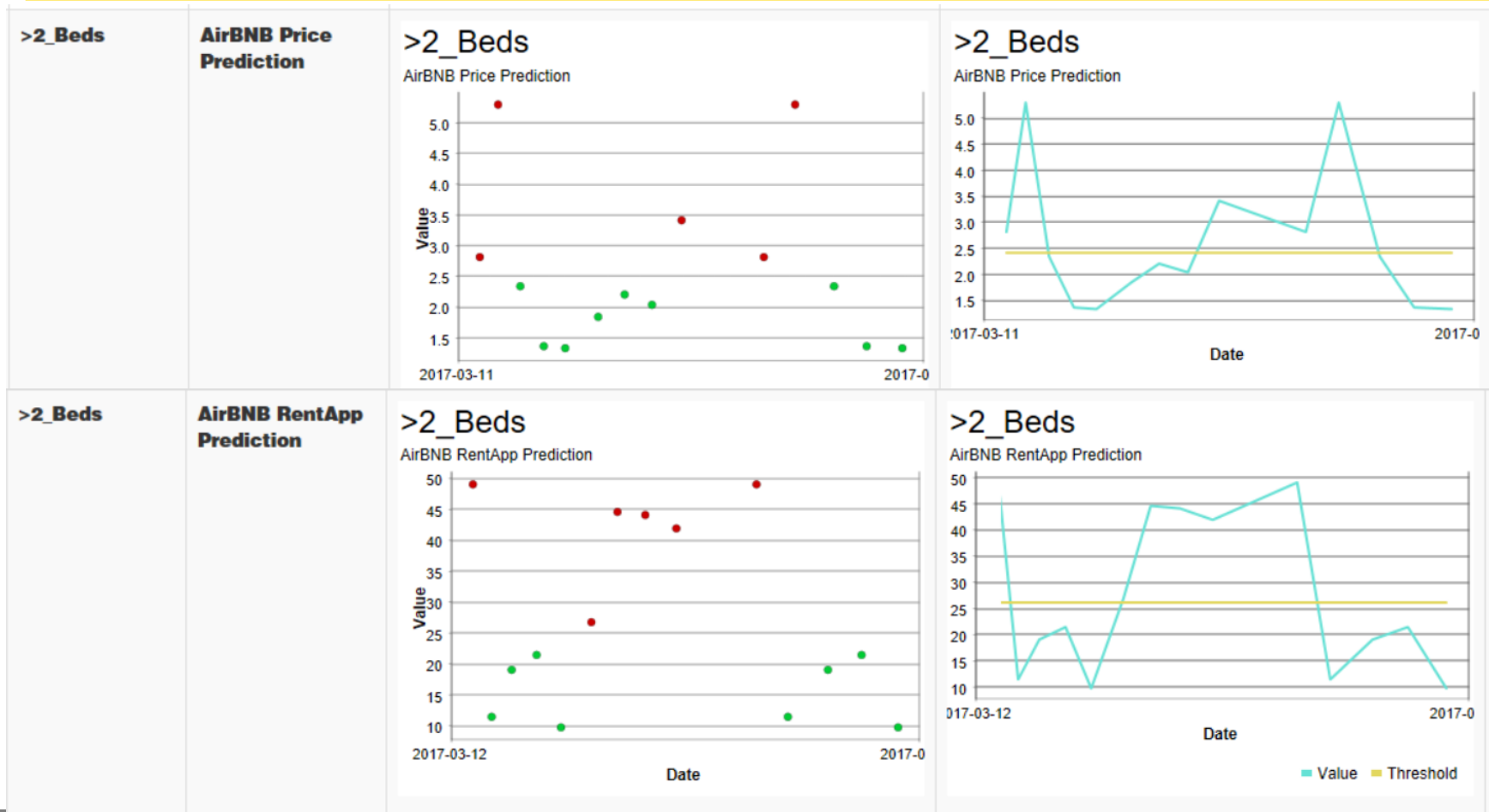
- Trend prediction



- Price prediction



Some results - AirBNB



Some results – Product Data

