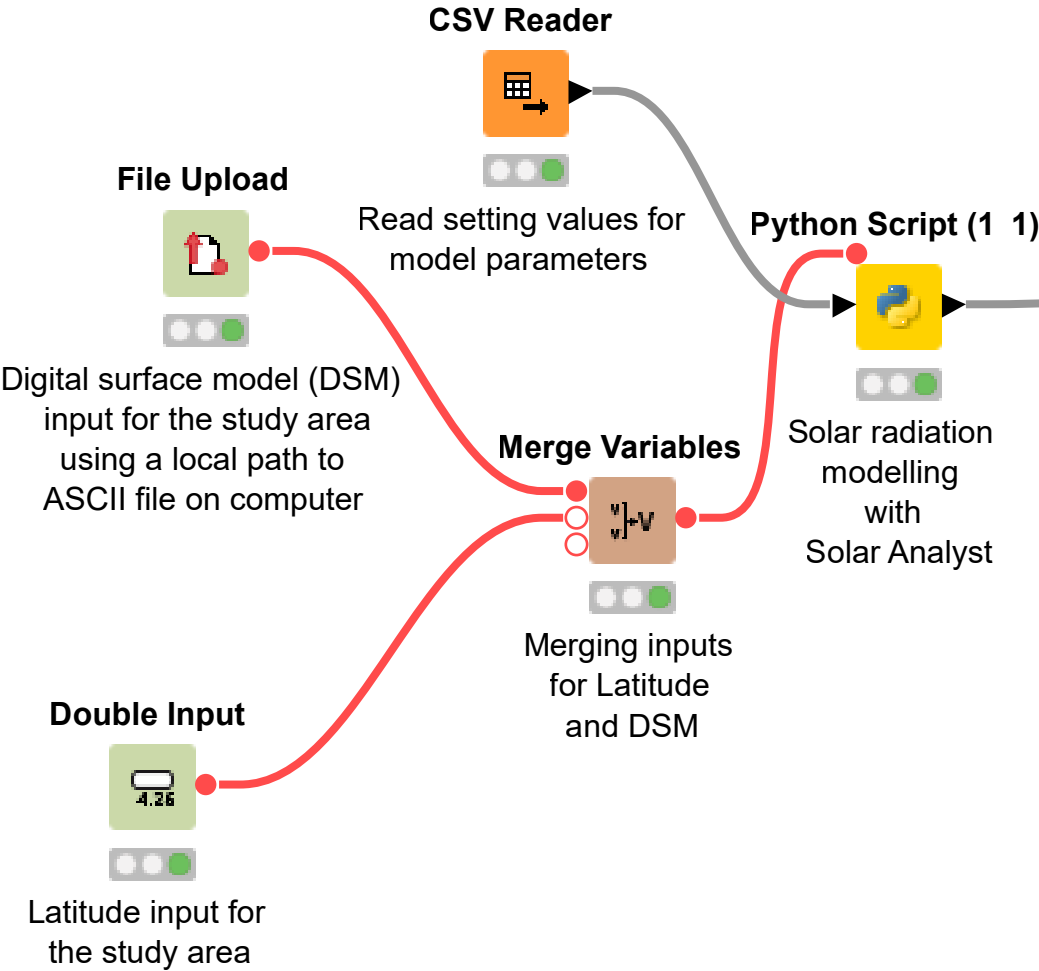# Solar radiation modeling with Solar Analyst integrated through Python script node

Validation of the outputs from the model

CSV Reader

Read setting values for model parameters

File Upload

Digital surface model (DSM) input for the study area using a local path to ASCII file on computer

Python Script (1 1)

Solar radiation modelling with Solar Analyst

Math Formula

Calculating difference betweeen model output and ground truth data

Rule Engine

Classifying the calculated difference into three categories: low, expected, and high solar radiation potential

CSV Writer

Saving data with model output and calculated difference for each raster cell of the DSM

Merge Variables

Merging inputs for Latitude and DSM

Double Input

Latitude input for the study area

File Reader

Reading monthly average ground truth solar radiation and tolerance data

Table Row to Variable

Monthly average ground truth solar radiation dataset used as variables