

Default

Default

Input

- `inputVariable`

Options

- `maxGapLength`
- `defaultValue` / `defaultValueFunction`
- `interpolationDirection`

Output

- `outputVariable`

Description

This transformation fills the gaps in the time series with the default value. If `defaultValue` or `defaultValueFunction` is not defined, `defaultValue 0` will be filled. If a `maxGapLength` is defined the gap will only be filled if the size of the gap is smaller than `maxGapLength`.

Configuration example

```

<?xml version="1.0" encoding="UTF-8"?>
<transformationModule version="1.0" xmlns="http://www.wldelft.nl/fews" xmlns:xsi="http://www.w3.org/2001
/XMLSchema-instance" xsi:schemaLocation="http://www.wldelft.nl/fews http://fews.wldelft.nl/schemas/version1.0
/transformationModule.xsd">
  <!--Input time series-->
  <variable>
    <variableId>Input</variableId>
    <timeSeriesSet>
      <moduleInstanceId>ImportDatabase</moduleInstanceId>
      <valueType>scalar</valueType>
      <parameterId>P.obs.6</parameterId>
      <locationSetId>RainGauges_HuangChuan</locationSetId>
      <timeSeriesType>external historical</timeSeriesType>
      <timeStep unit="hour" multiplier="6"/>
      <relativeViewPeriod unit="day" start="-16" end="0"/>
      <readWriteMode>add originals</readWriteMode>
    </timeSeriesSet>
  </variable>
  <!--Output time series-->
  <variable>
    <variableId>Output</variableId>
    <timeSeriesSet>
      <moduleInstanceId>HuangChuan_Update_Pre</moduleInstanceId>
      <valueType>scalar</valueType>
      <parameterId>P.obs.6</parameterId>
      <locationSetId>RainGauges_HuangChuan</locationSetId>
      <timeSeriesType>external historical</timeSeriesType>
      <timeStep unit="hour" multiplier="6"/>
      <relativeViewPeriod unit="day" start="-16" end="0"/>
      <readWriteMode>add originals</readWriteMode>
    </timeSeriesSet>
  </variable>
  <!--Transformations-->
  <transformation id="default">
    <interpolationSerial>
      <default>
        <inputVariable>
          <variableId>Input</variableId>
        </inputVariable>
        <maxGapLength>10</maxGapLength>
        <defaultValue>2</defaultValue>
        <extrapolateDirection>both</extrapolateDirection>
        <outputVariable>
          <variableId>Output</variableId>
        </outputVariable>
      </default>
    </interpolationSerial>
  </transformation>
</transformationModule>

```

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