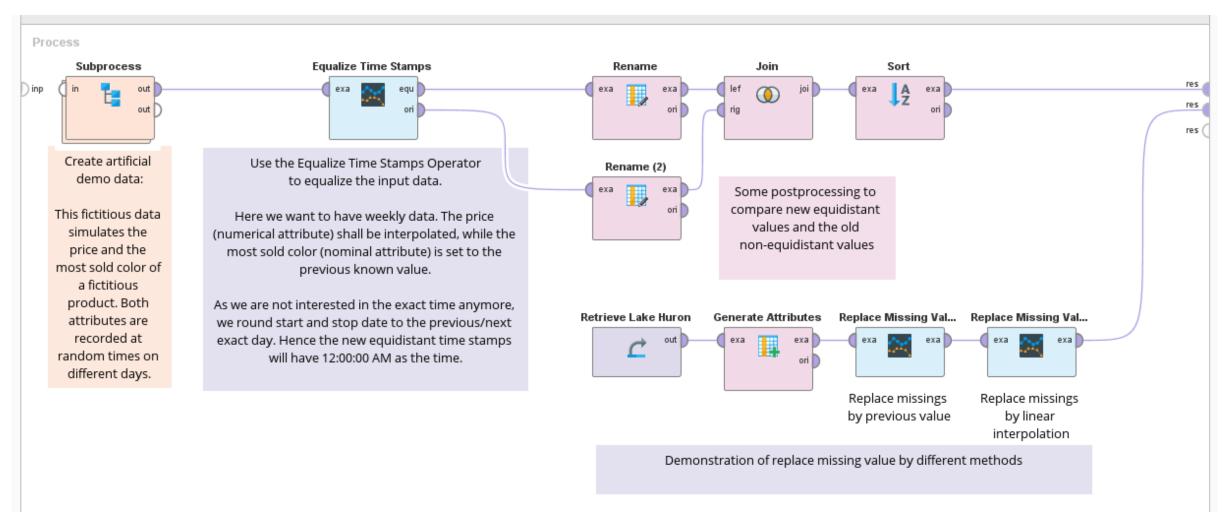


RapidMiner - Time Series Functionality





Transformation Equalize and Replace Missings





Transformation Equalize and Replace Missings

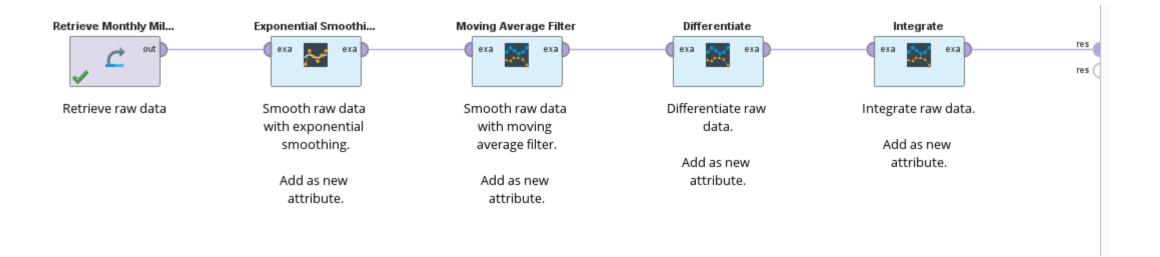


Date	Price (equalized)	Most sold color (equalized)	Price (original)	Most sold color (original)
Aug 2, 2019 12:00:00 AM CEST	108	blue	?	?
Aug 2, 2019 2:46:56 PM CEST	?	?	108	blue
Aug 7, 2019 8:45:56 PM CEST	?	?	139	green
Aug 9, 2019 12:00:00 AM CEST	141.079	green	?	?
Aug 12, 2019 5:34:56 AM CEST	?	?	147	red
Aug 14, 2019 12:22:56 PM CEST	?	?	185	green
Aug 16, 2019 12:00:00 AM CEST	182.909	green	?	?

Date	Lake surface level / feet	data with missing values	data with missing values replaced by previous value	data with missing values replaced by linear interpolation
Jul 1, 1875 2:00:00 AM CET	580.380	580.380	580.380	580.380
Jul 1, 1876 2:00:00 AM CET	581.860	581.860	581.860	581.860
Jul 1, 1877 2:00:00 AM CET	580.970	580.970	580.970	580.970
Jul 1, 1878 2:00:00 AM CET	580.800	?	580.970	580.380
Jul 1, 1879 2:00:00 AM CET	579.790	579.790	579.790	579.790

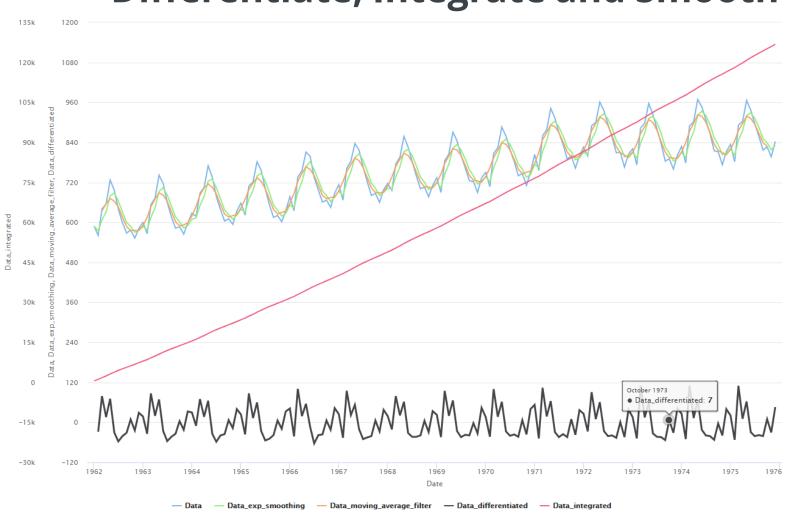


Transformation Differentiate, Integrate and Smooth



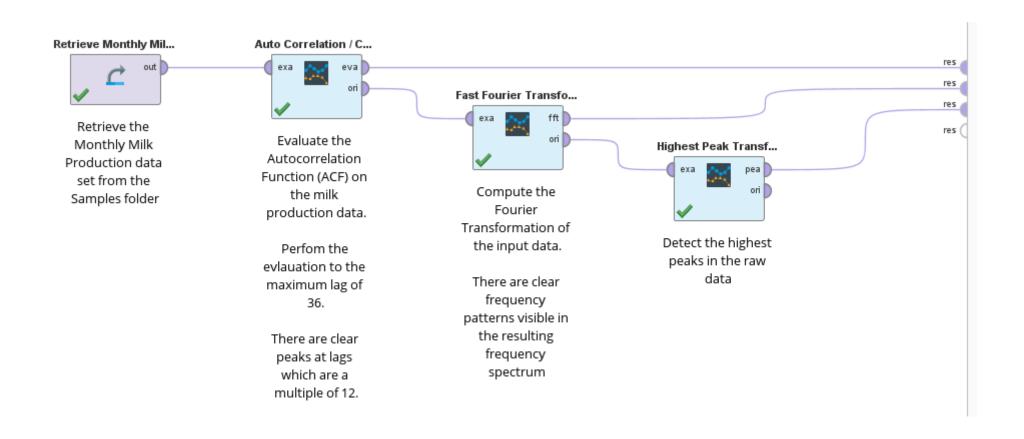


Transformation Differentiate, Integrate and Smooth



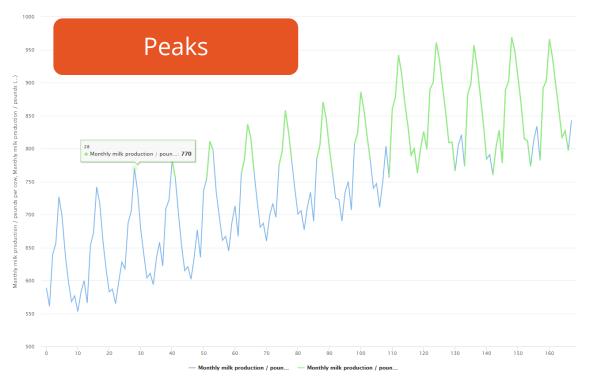


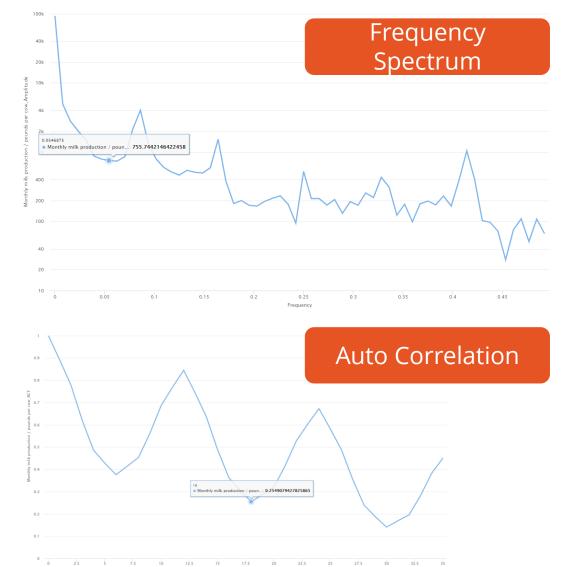
Transformation - Auto Correlation, Fourier Transformation & Peak Detection





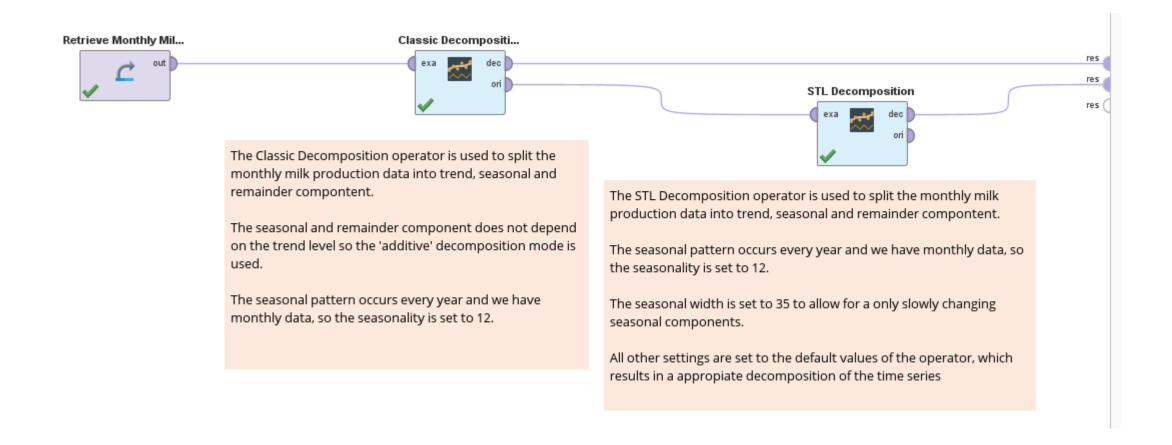
Transformation - Auto Correlation, Fourier Transformation & Peak Detection





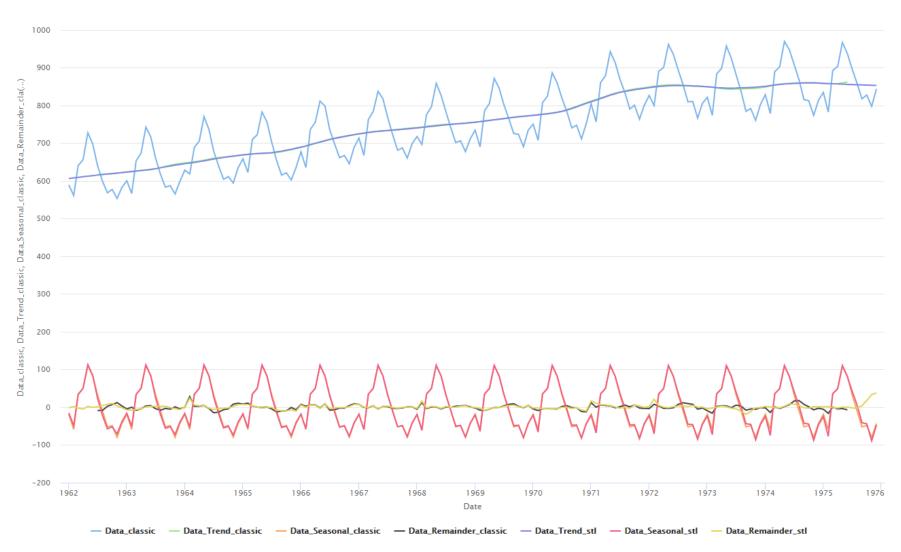


Decomposition Classic and STL



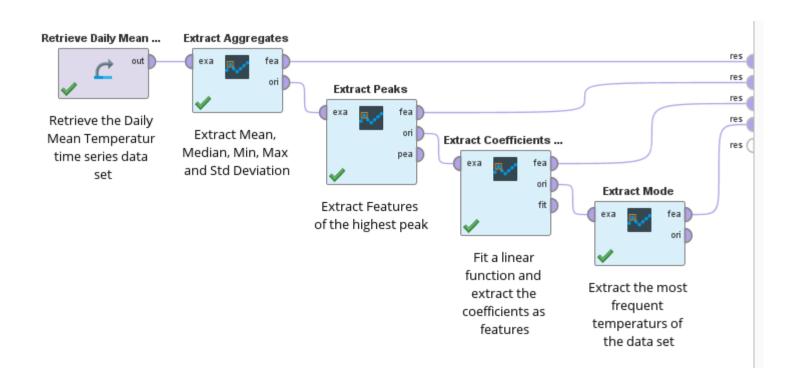


Decomposition Classic and STL





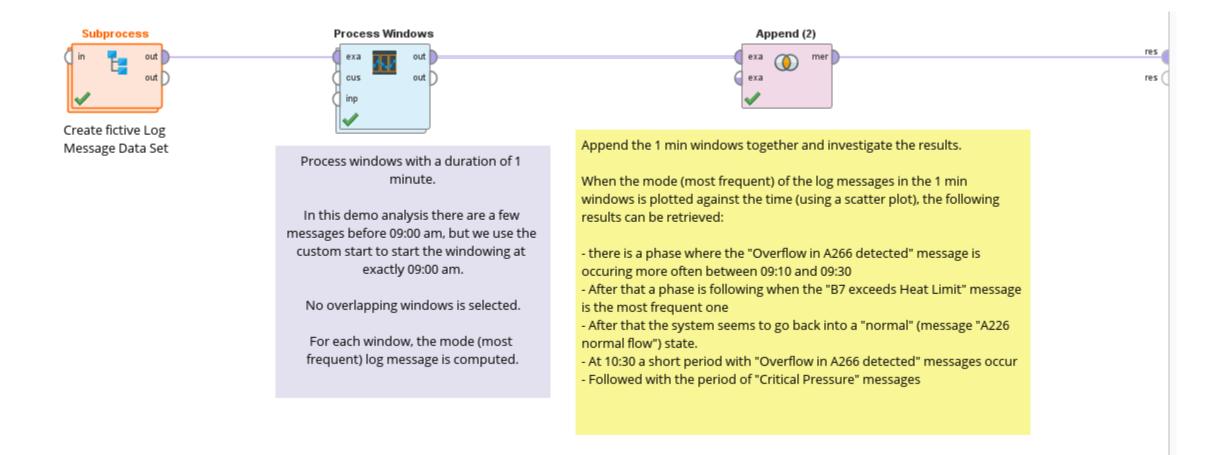
Feature Extraction



id	Daily Mean Temperature / C	
mean	12.956433949349758	
median	13.5	
min	0.0	
max	35.0	
std deviation	7.8945899856608115	
peak_1_extremum_position	398.0	
peak_1_high_low_amplitude	30.0	
peak_1_type	maximum	
peak_1_value	32.5	
peak_1_width	5.0	
polynomial_fit_coeff_0	13.754624243088173	
polynomial_fit_coeff_1	-0.0010934113612855022	
polynomial_fit_discr	62.06923204629619	
mode_order_1	13.5	
mode_order_2	16.5	
mode_order_3	14.0	
mode_order_4_k_0	18.0	
mode_order_4_k_1	5.0	
mode_order_4_k_2	16.0	



Windowing



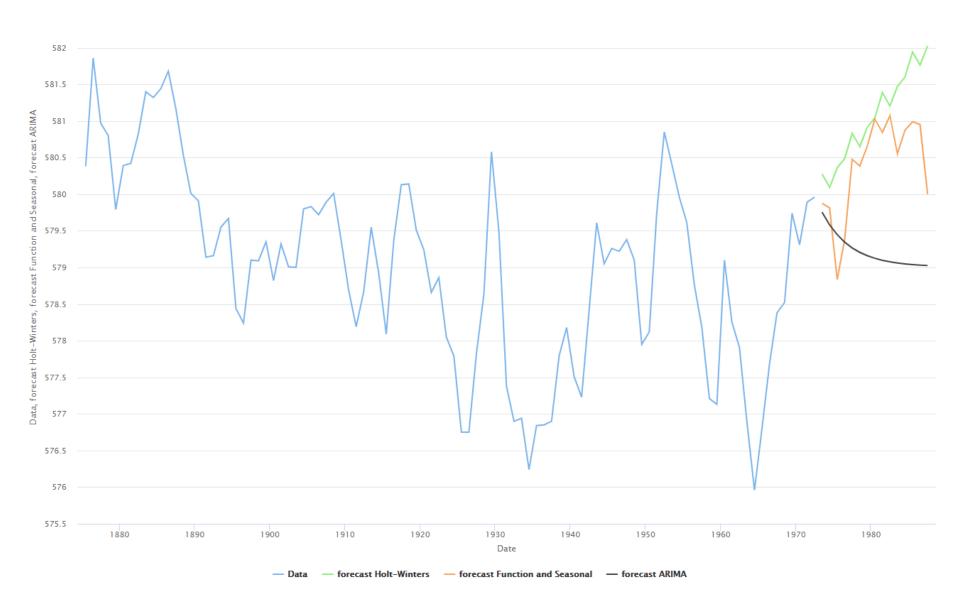


Windowing



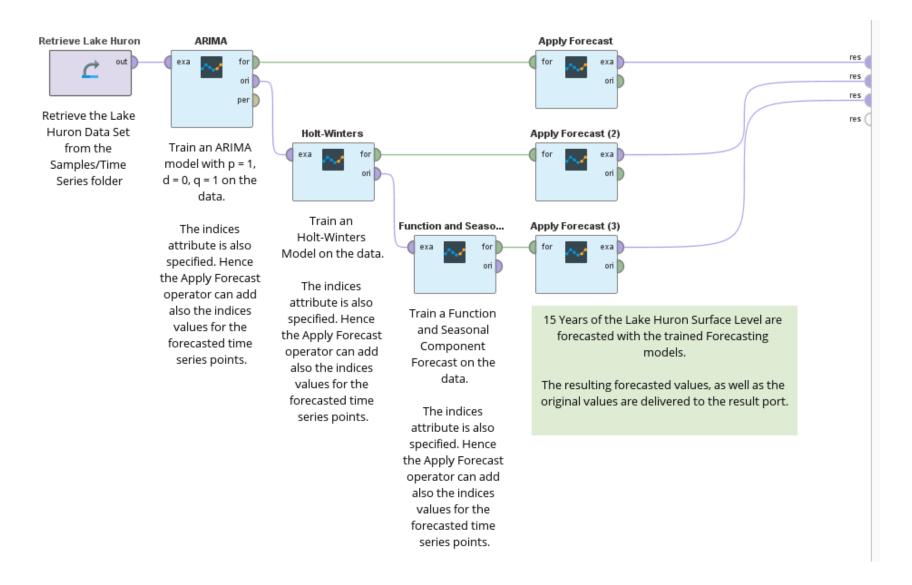


Forecasting



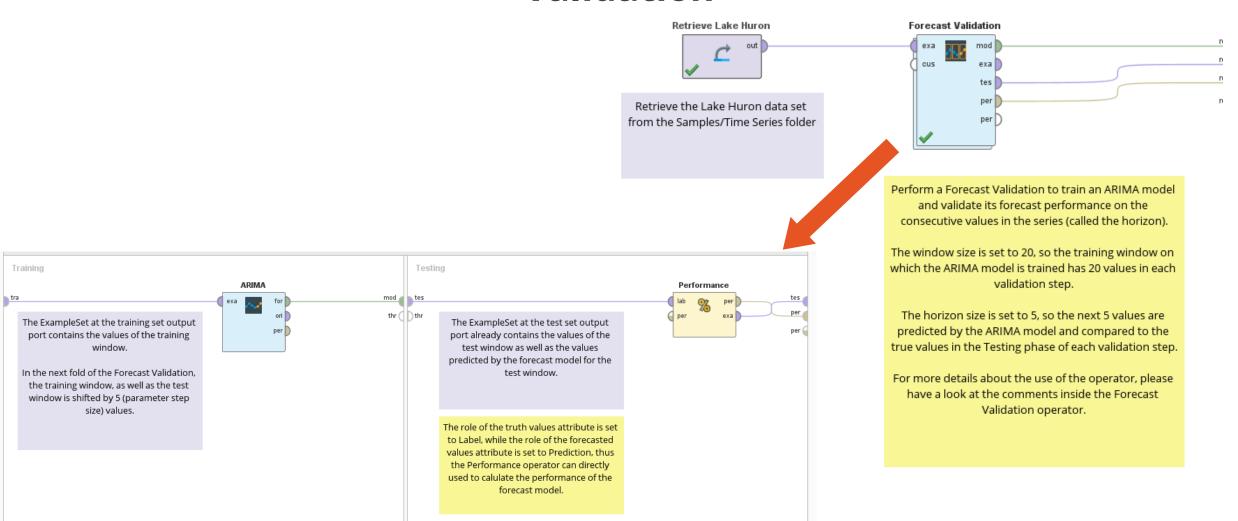


Forecasting





Validation





Validation

