

Dataiku Dashboard (For Raw material Analyst)

The Dataiku dashboard *Raw Material dashboard (Forecast&Correlation)* contains 7 views: one presentation page, one view per stream and one view with the forecast by GBU.

Link to the dashboard: https://dss-automation.solvay.com/projects/RAWMATERIALFORECAST/dashboards/q2a61h8_raw-material-dashboard-forecastcorrelation/view/2FdpXbZ

- Presentation page: the first page of the dashboard is a presentation.

On the top left, there is a description of all the scenarios to recompute forecast, correlations, reload data, ... (see section scenario).

On the top right, there is a table with the last results of the correlations for each couple value chain - index.

On the bottom, the 4 scenario listed in the description can be launched with the timeline of all runs.

The screenshot displays the 'Raw Material dashboard (Forecast&Correlation)' interface. At the top right, there are navigation tabs for 'Summary', 'View', 'Edit', and 'ACTIONS'. The main content area is divided into three sections:

- Dashboard Dataiku presentation:** A text area on the left providing instructions and links for various actions like 'Update forecasts', 'Update the historization of correlations', and 'Retrain models'.
- Index - value chain correlation scores:** A table on the right showing the results of correlations between value chains and indices. The table has columns for 'Value Chain', 'Index', 'Product(s) to keep', 'Product(s) to exclude', and 'Correlation value'.

Value Chain	Index	Product(s) to keep	Product(s) to exclude	Correlation value
CRUDE OIL / ALPHATL...	PROPYLENE			56.56
CRUDE OIL / ALPHATL...	CRUDE OIL		HEXAMETHYLENE DIAMINE ...	58.49
MINERAL / BARE EART...	CERSIUM METAL			59.06
OTHER / RECYCLED ...	PAP			60.82
CRUDE OIL / ALPHATL...	ETHYLENE			61.00
MINERAL / FLUORH...	FLUORSPR			61.45
MINERAL / SILICO CO...	SODIUM SULFATE			63.7
COAL	CRUDE OIL	Anthracite	COKE	64.85
CRUDE OIL / PETROLE...	CRUDE OIL			65.91
ATMOSPHERIC GAS	NATURAL GAS			66.13
NATURAL GAS / SULP...	ELECTROCHEMICAL UNIT (ECU)			67.82
CRUDE OIL / ALPHATL...	0.7*PROPYLENE+0.2*BUFADIE...		HEXAMETHYLENE DIAM...	68.94
NATURAL GAS / METH...	METHANOL			69.22
MINERAL / METAL CO...	PALLADIUM			69.31
BIOCHEMICAL / VEGE...	PALM KERNEL OIL			71.09
CRUDE OIL / ALPHATL...	ACETONE			74.84
MINERAL / PHOSPHO...	PHOSPHORUS (P4)			77.87
BIOCHEMICAL / ANIMAL	ELECTROCHEMICAL UNIT (ECU)			80.47
COAL	COAL	COKE	Anthracite	80.69
CRUDE OIL / AROMATIC	0.69*BENZENE + 0.36*PROPL...	CUMENE		83.21
- Timeline view of scenario:** A horizontal timeline at the bottom showing the execution status of four scenarios: 'Update forecasts', 'Update the historization of correlations', 'Retrain models', and 'Forecast by GBU'. Each scenario has a 'RUN NOW' button and a corresponding bar on the timeline indicating its execution period from May to June.

- Page *stream COAL*: this page is the same as all the other pages.

On this page, there are two graphs: on the left, the historical and forecasted (influenced and non-influenced by user) data displayed quarterly. On the right, the evolution of the correlation with one bar representing 5 years of data.

Stream COAL
Material value chain (P)
+ COAL

Forecast Coal Value Chain

RUN NOW

