

Data-driven Process Optimization Using Machine Learning (ML) in the Beverage Industry



We were looking for an AI toolbox that could also be used by non-data scientists to work with huge amounts of data and turn data insights into value, which Altair RapidMiner provided.

Altair RapidMiner is the right platform to perform and maximize malt yield, lowering both, costs and CO2 emissions.

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Machine Learning for Production Process Optimization in the Beverage Industry

Challenge

Be and stay ahead in a very competitive market while guaranteeing consistent beer quality with various hop and malt qualities. Work against price increases of raw material and energy with optimized processes and utilize tons of data without needing data scientists.

Solution

Altair® RapidMiner® enables domain experts to use data and AI with an easy-to-use machine learning and AI toolbox for non-data scientists. It is used for process optimization to predict machine failures before they happen as well as predicting maintenance, machine downtimes, energy consumption, malt yield, sales demand, and supply availability.

Value

Thanks to Altair RapidMiner, Bitburger brewery can predict and maximize malt yield. Malt yield analysis alone has expected savings of six-figure € saving potential in the brewhouse. Lower power consumption also lowers costs and CO2 emissions.

