

## TrendMiner Now Offers Data Science Notebook Integration Functionality

The latest release of TrendMiner, 2021.R1, brings the completely new functionality of notebook integration, which helps users access both TrendMiner's data dashboards and code-based data analysis. This optional capability benefits both process engineers and data scientists.

### Bridging the gap between engineers and data scientists

TrendMiner enables operational experts in process manufacturing industries to analyze, monitor and predict operational performance using sensor-generated time-series data. The goal of TrendMiner has always been to empower engineers with analytics for improving operational excellence, without the need to rely on data scientists. In doing so, TrendMiner brought data science to the engineer. In the 2021.R1 release, TrendMiner makes the next step of this journey by including notebook integration functionality into the software so both engineers AND data scientists can easily jump from looking at data in a TrendMiner view to working with it in a code-based data science environment.

With their data science libraries of choice (e.g., Pandas, NumPy, SciPy, SciKit-Learn), engineers and data scientists can create and run custom scripts for advanced statistical analyses and use AutoML capabilities to build machine learning models for anomaly detection. On top of that, they can operationalize the resulting notebook visualizations (also created with libraries of their choice such as Matplotlib, Plotly, Seaborn) as dashboard tiles in TrendMiner's DashHub dashboards.

Thomas Dhollander, CTO and co-founder of TrendMiner says, "Classical data science depends on bringing process / asset know-how to the data scientist, while Self-service Analytics aims at packaging up a subset of the data science modeling capabilities and bringing these to the subject matter expert as a robust set of features (no technical tuning parameters, no data science training needed). Companies that recognize the potential in interweaving these complementary approaches will be the ones that can accelerate their operational efficiency and competitive advantage."