

**Data Analyst**

MachineMetrics, Inc. develops and integrates production monitoring software for manufacturing companies. As a growing startup, we are seeking to add team members that excel at working independently and responsibly with a strong ability to troubleshoot.

The Data Analyst will be tasked with key aspects of data science and data analytics development, guided by engineers with significant development experience. The data analyst will help discover new ways to look at the information being collected and assist in designing solutions that address customer needs, including large scale anomaly detection on manufacturing data and recommender systems to make our product easier to use. The data analyst will be expected to be familiar with time-series analysis and have a working knowledge of machine learning methods.

We are a hard-working but laid-back group. We offer a smart and respectful work environment. Because we’re a startup, there are many opportunities to get your hands dirty. We are in downtown Northampton, just a 3 minute walk from the Northampton Post Office bus stop.

**Duties/Responsibilities**

Focus of this role will be to make the product experience more streamlined and easier to use

Support the data science team on analysis and cleaning of large, complex data sets and customer metadata

Support the data science team to develop algorithms related to anomaly detection, supervised and unsupervised learning methods

Work with members of product, engineering, customer success, and sales to assist in various efforts regarding data analysis

Perform data analysis on user behavior to inform product features

Maintain deep and up-to-date knowledge of the data warehouse; troubleshoot data inconsistencies

Translate business needs into analytical tasks, documenting & presenting results

Interpret results using a variety of techniques, ranging from simple exploratory data analysis to statistical modeling

**Required Skills**

Analytically oriented with ability to interpret trends and correlations

Strong knowledge of database & data warehousing concepts

Experience writing complex SQL queries with an emphasis on efficiency of execution time

Experience with R or Python, preferably with productionalized code

Experience documenting & presenting analytical results & product requirements

Demonstrated ability to maintain performance level in a fast paced environment with changing priorities and deadlines

Bonus points for experience with Spark and TimescaleDB

**Education/Other Pre-requisites**

Bachelor's/Master’s/PhD degree with a strong academic record required, preferably in a quantitative field such as Statistics, Computer Science, Operations Research, Economics, Physics or Engineering

Because we work with ITAR regulations and sensitive data, US Citizenship or Permanent Residency (Green Card) is required