**PROBLEM:** analysis of PV degradation, soiling, and other performance trends benefits from analyzing 100s of time series data sets. These data are often provided with quality issues such as incorrect time stamps, drifting or miscalibrated sensors, incorrect field names, or missing periods of data. PV experts can often manually identify and correct the issues but this method is too time consuming for large scale analysis.

**GOAL:** open source algorithms to automatically flag suspect data and present the user with potential corrections.