

Data Analysis Using Generative AI – Task

Your goal is to replace the following example analyses (created with IAV Zio Insight) with an LLM. The result should be a script or something similar that, when applied to a list of measurement data, produces a similar output.

You can use the attached example data in MDF format for testing. Your result should be the source code (in Python) for a small REST API that, from a signal description such as:

- Eng_nEng10ms: Engine speed
- Eng_uBatt: Battery voltage in mV
- FuSHp_pRailBnk1: Fuel Pressure

and a description of the expected output (e.g., a histogram of the battery voltage), generates an appropriate analysis. Please send us your code (e.g., as a link) and a few examples.

