

Recruitment Stage 2 task. The due date is 1 week after receiving the task.

This data was gathered at two solar power plants over a 34-day period. There are two pairs of files - each pair has one power generation and one sensor readings dataset. The power generation datasets are gathered at the inverter level - each inverter has multiple lines of solar panels attached to it. The sensor data is gathered at a plant level - a single array of sensors optimally placed at the plant.

Your tasks are to address the points below:

1. **Technical** presentation on how solar power plants work (3-4 slides max)
2. Create/find an algorithm and implement it (via calculations/coding) to predict the power generation for the next couple of days **using the data provided**
3. **Use data** analysis/science/manipulations/visualizations to identify the need for panel cleaning/maintenance
4. Create/find an algorithm and implement it (via calculations/coding) to identify faulty or not optimally performing equipment **using the data provided**

Your goal is to solve the points above and present all of them. Dataset will be found in the email attached.

Good luck!

eiLink Recruitment Team

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