



## Task Description

Analyze the provided dataset for two Cruise ships (Vessel 1 and 2) and develop a narrative explaining the performance trends (e.g.: efficiency, propulsion, power generation, etc.). This analysis can pertain to the vessel as a whole or its individual components. You can also select KPIs, based on international regulatory requirements for shipping.

## Attached Files

Along with this email, a ZIP file has been attached containing the following:

- `data.csv` - The dataset to be analyzed.
- `schema.pdf` - A document providing further details about the dataset.

## Requirements

### *Repository Setup*

- 1) Commit all notebooks, scripts, and documentation (markdown, reStructuredText, HTML, PDF, PPTX, DOCX, LaTeX, etc.) to a new GitHub repository.
- 2) Share the repository link with us, preferably **before** making the first commit.

### *Code and Documentation*

- 1) Ensure the code and documentation are in a state that allows them to be run independently on a standard modern laptop (4-core CPU, 16 GB RAM).
- 2) Include documentation with instructions on how to navigate the repository and locate key components.

### *Programming Languages*

- 1) Use **only** Python and SQL as the primary programming languages.
- 2) Utilize other formats (e.g.: Makefiles, JSON, YAML, TOML, etc) only for support purposes.

### *Submission Deadline*

- 1) Push the final commit no later than 5 days (120 hours) from receiving the task data

## Permitted Resources

The candidate is allowed to use any publicly available free tools, frameworks, or libraries (i.e.: open source). Seek help from any resource (online and offline), including human and/or AI assistants.