



Environmental Intelligence Analyst Take Home Exam

General Instructions

You are given **72 hours** upon receiving the exam to complete the deliverables.

Index all your **files in one document**, and upload it in the *Exam* folder shared with you. For **code and test cases**, we prefer the following methods :

- upload them in **private repositories like Github's private repos or BitBucket**,
- or upload them in our **shared *Exam* subfolder**.

Make sure they are **properly linked inside the document**. Other files used must be uploaded as well, again with links in the main document.

Remember : **do not upload any parts of this exam or your answers on publicly accessible sites** like the public repositories on Github. This is to ensure that the exam will not be leaked to future applicants.

Upon completion, send an email to your peopleops@thinkingmachin.es with a link to your deliverables to stop the timer. Good luck!

Scenario

Our client is a non-profit that implements reforestation programs in the Philippines. They have engaged our company to help them identify priority areas where the program could be implemented in areas recently devastated by Typhoon Odette.

Using publicly available spatial data, perform an analysis to answer the client's needs. Make a slide deck (no more than 10 slides) presenting your key findings, methodology, datasets used, and any caveats the client should know about when interpreting the data. Please also share with us any code or scripts that you used to clean and process the data.

Potential Datasets you can use but not limited to:

- [Global Forest Watch](#)
- [NAMRIA Geoportal](#)
- Restor.eco
- Google Earth Engine
- Humanitarian Data Exchange

Things to Keep in Mind

We will be judging your exam/presentation based on the following aspects:

- Quality of Analysis
 - Were the insights actionable and useful?
 - Were the analysis methods appropriate?
 - Were caveats or limitations identified and communicated?
- Presentation of Analysis
 - Is the presentation clear and compelling?
 - Were appropriate visuals used to communicate the insights?
- Data Curation and Wrangling
 - Were appropriate datasets used for the analysis?
 - Was the code used to process and clean the data well-written?