



Data Science Test

Analyse data on fires detected in Guatemala from 2013 to 2017.

Data is provided by NASA FIRMS. Follow [this link](#) to learn more about the data and how it should be interpreted. We have downloaded two datasets from the [FIRMS Archive](#) and provide them to you as input for the assignment.

Data specifications:

- Datasets: MODIS Collection 6 and VIIRS 375m standard data products
- Format: CSV
- Country: Guatemala
- From: 1 Jan 2013
- To: 31 Dec 2017

We welcome initiative and creativity in deciding what aspects of the data you wish to analyse and how you report your findings. Some ideas – by no means must-have requirements – to help you get started:

- How does fire activity vary over time?
- What is the geographic distribution of fires?
- What are the differences between MODIS and VIIRS detections and how can they be explained?
- How does weather affect fire activity?

Please use Python 3 for data analysis and generating data visualizations, demonstrating good coding practices. Feel free to use any libraries available on [PyPI](#). Provide instructions for running the code on Ubuntu 16.04 or macOS.

The report should be about 2-4 pages. Consider using tables and figures to illustrate your results and include explanations of your findings. The report can be submitted as a PDF or, as a way of combining code and reporting, a Jupyter Notebook.

If you have any questions whatsoever, please do not hesitate to get in touch.

Submission

This task should take less than half a day. Please submit your code and report as a zip file or by providing a link to a publicly accessible URL.

The submission will be marked on the quality of the code, analysis, and report.