AUTOMATED PRODUCTION of AIR QUALITY FORECASTS with PANGEO, PAPERMILL and KRONTAB

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TALK MAP

- Introductions
- Air Quality Forecasts
- Technologies
- Automated Production
ABOUT THE LAB
Interactive monitoring networks map

Use the interactive map below to explore different UK monitoring networks. The map shows the current sites within the network selected. Information about the selected network is shown below the map.
IMPORTANT

TECHNOLOGIES
Welcome to papermill

https://travis-ci.org/interact/papermill.svg?branch=master

Papermill is a tool for parameterizing and executing Jupyter Notebooks.

Papermill lets you:

- parameterize notebooks
- execute notebooks

This opens up new opportunities for how notebooks can be used. For example:

- Perhaps you have a financial report that you wish to run with different values on the first or last day of a month or at the beginning or end of the year, using parameters makes this task easier.
- Do you want to run a notebook and depending on its results, choose a particular notebook to run next? You can now programmatically execute a workflow without having to copy and paste from notebook to notebook manually.

Python Version Support

This library will support python 2.7 and 3.5+ until end-of-life for python 2 in 2020. After which python 2 support will halt and only 3.x version will be maintained.

Documentation

These pages guide you through the installation and usage of papermill.

- Installation
- Usage
- Parameterize
- Execute
- Store
- Command Line Interface
- Extending papermill
- Troubleshooting
krontab
krontab

A crontab replacement for Kubernetes.

Create CronJob resources on your Kubernetes cluster in the same way you would on your *nix system. Krontab works by constructing a virtual crontab file from your CronJob resources and communicating changes back to the Kubernetes API. You can create more complex and customised jobs with custom templates and trigger your jobs manually any time from the command line.

Example crontab:

```
$ krontab -l
# template: default
0 1 * * * echo hello  # name: test
```
AUTOMATED PRODUCTION
Dataset 1
Dataset 2
Dataset 3

# Load
In [1]
Out [1]

# Subset
In [2]
Out [2]

# Process and analyse
In [3]
Out [3]

# Plot
In [4]
Out [4]

Notebook Title
Plus descriptive heading / introduction content.

Descriptive intermediate content.

Content explaining results from processing.
# Load

# Subset

# Process and analyse

# Plot
RECAP

- Introductions
- Air Quality Forecasts
- Technologies
- Automated Production
ANY QUESTIONS?

Anything else? Get in touch:
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