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# **Lumache**

*Release 0.1*

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**Jul 05, 2022**



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**Datacube.Online** is home to The Virginia Open Datacube, a set of research tools in open earth analytics which is part of a federated network of open source remote sensing and earth science communities supporting six continents and dozens of individual countries.

The Virginia Open Datacube is a custom deployment of the Open Datacube utilizing *the Littlest JupyterHub* <<https://tljh.jupyter.org/en/latest/>> which pulls data from multiple sources, including the *AWS Registry of Open Data* <https://registry.opendata.aws/> and offers a powerful computational environment for performing time-series analyses from spatiotemporal datasets, especially those collected by various public satellites.

Check out the *Usage* section for further information, including how to *Installation* the project.

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**Note:** This project is under active development.

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### 1.1 Usage

#### 1.1.1 Installation

To use Lumache, first install it using pip:

```
(.venv) $ pip install lumache
```

#### 1.1.2 Creating recipes

To retrieve a list of random ingredients, you can use the `lumache.get_random_ingredients()` function:

The `kind` parameter should be either "meat", "fish", or "veggies". Otherwise, `lumache.get_random_ingredients()` will raise an exception.

For example:

```
>>> import lumache
>>> lumache.get_random_ingredients()
['shells', 'gorgonzola', 'parsley']
```