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👤 stevemessick

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📄 MANIFEST.in	preparing Python package for release on PyPi	7 years ago
📄 README.md	Update README (#579)	4 months ago
📄 SECURITY.md	Create SECURITY.md (#528)	5 months ago
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📖 README

📄 Apache-2.0 license

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# Kaggle API

Official API for <https://www.kaggle.com>, accessible using a command line tool implemented in Python 3.

[User documentation](#)

## Installation

Ensure you have Python 3 and the package manager `pip` installed.

Run the following command to access the Kaggle API using the command line:

```
pip install kaggle
```



## Development

### Kaggle Internal

Obviously, this depends on Kaggle services. When you're extending the API and modifying or adding to those services, you should be working in your Kaggle mid-tier development environment. You'll run Kaggle locally, in the container, and test the Python code by running it in the container so it can connect to your local testing environment. However, do not try to create a release from within the container. The code formatter ( `yapf3` ) changes much more than intended.

Also, run the following command to get `autogen.sh` installed:

```
rm -rf /tmp/autogen && mkdir -p /tmp/autogen && unzip -qo /tmp/autogen.zip -d /tmp/autogen &&  
mv /tmp/autogen/autogen-*/ */tmp/autogen && rm -rf /tmp/autogen/autogen-* &&  
sudo chmod a+rx /tmp/autogen/autogen.sh
```



### Prerequisites

We use [hatch](#) to manage this project.

Follow these [instructions](#) to install it.

If you are working in a managed environment, you may want to use `pipx`. If it isn't already installed try `sudo apt install pipx`. Then you should be able to proceed with `pipx install hatch`.

### Dependencies

```
hatch run install-deps
```



### Compile

```
hatch run compile
```



The compiled files are generated in the `kaggle/` directory from the `src/` directory.

All the changes must be done in the `src/` directory.

### Run

You can also run the code in python directly:

```
hatch run python
```



```
import kaggle  
from kaggle.api.kaggle_api_extended import KaggleApi  
api = KaggleApi()  
api.authenticate()  
api.model_list_cli()
```



```
Next Page Token = [...]  
[...]
```

Or in a single command:

```
hatch run python -c "import kaggle; from kaggle.api.kaggle_api_extended import KaggleApi; api = KaggleApi(); api.authenticate();
```



## Example

Let's change the `model_list_cli` method in the source file:



```
> git diff src/kaggle/api/kaggle_api_extended.py
[...]  
+     print('hello Kaggle CLI update')^M  
     models = self.model_list(sort_by, search, owner, page_size, page_token)  
[...]  
  
> hatch run compile  
[...]  
  
> hatch run python -c "import kaggle; from kaggle.api.kaggle_api_extended import KaggleApi; api = KaggleApi(); api.authenticate()  
hello Kaggle CLI update  
Next Page Token = [...]"
```

## Integration Tests

To run integration tests on your local machine, you need to set up your Kaggle API credentials. You can do this in one of these two ways described [this doc](#). Refer to the sections:

- Using environment variables
- Using credentials file

After setting up your credentials by any of these methods, you can run the integration tests as follows:



```
# Run all tests  
hatch run integration-test
```

## License

The Kaggle API is released under the [Apache 2.0 license](#).

### Releases 6

 **1.6.3** Latest  
on Jan 23

[+ 5 releases](#)

### Packages

No packages published

### Contributors 43



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### Languages

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