

Project setup flow

1. Setting Up Project with Cookiecutter Template:

- Open Terminal.
- Navigate to the desired directory for your project.
- Install Cookiecutter template: ``pip install Cookiecutter``.
- Create the project template: ``cookiecutter -c v1 https://github.com/drivendata/cookiecutter-data-science``.

2. Uploading Files to GitHub:

```
``bash
```

```
git init
```

```
git add README.md
```

```
git commit -m "First commit with Cookiecutter template"
```

```
git branch -M main
```

```
git remote add origin https://github.com/kalehariprasad/project-setup.git
```

```
git push -u origin main
```

```
```
```

## 3. Installing Required Libraries:

- Install required libraries using ``pip install -r requirements.txt``.

## 4. Initializing DVC (Data Version Control):

- Initialize DVC: ``dvc init``.
- DVC will display information regarding analytics and next steps.

## 5. Adding Files to Git Tracking after DVC Initialization:

```
``bash
```

```
git add .
```

```
git commit -m "DVC initialized"
```

```
...
```

## 6. Tracking Data with DVC:

- Add the data folder to be tracked by **DVC**: ``dvc add data/``.
- Follow the prompts to ignore the data folder from Git tracking.

## 7. Configuring DVC Remote Storage:

- Create a storage location (e.g., a local folder) using: ``mkdir Storage``.
- Add remote storage using DVC: ``dvc remote add <name_of_remote> /path/to/storage``.

## 8. Committing Data Changes with DVC:

- Commit the data changes: ``dvc commit`` (**no specific commit message required**).

## 9. Pushing Data to Remote Storage:

- Push the data to the remote storage: ``dvc push``.

Remember, replace ``<name_of_remote>`` with your chosen name for the DVC remote storage. Adjust the URLs and paths as per your specific requirements.