



## Deployment of Machine Learning Models

### Section 10.5 Notes

#### Commands

In circleCI add:

```
HEROKU_API_KEY  
HEROKU_APP_NAME
```

(which are in addition to: PIP\_EXTRA\_INDEX\_URL,  
KAGGLE\_USERNAME, KAGGLE\_KEY)

In CircleCI you should see:

The screenshot displays the CircleCI web interface for user ChristopherGSTest. The top navigation bar includes a profile icon, the username, a dropdown arrow, the CircleCI logo, and links for Updates, Support, and a settings icon. A yellow notification banner states: "New: You can now get web notifications when your job is done! [Click here to activate web notifications.](#)". The main content area shows the workflow "test-heroku-ci" with ID "9c9ce7aa-f4d8-484f-9677-c2550fd2b2e8". The workflow status is "SUCCEEDED" with a green checkmark. Below the status, there is a "Rerun" button and a note "allow branch deploys for heroku". The workflow duration is "7 min ago" and the last commit is "03:45" with hash "#97, #1" and commit ID "70611ad". The workflow consists of 4 jobs in this workflow, shown in a graph: "test\_regress..." (00:31), "train\_and\_up..." (00:45), "section\_10\_d..." (01:23), and "test\_ml\_api" (01:17). All jobs are marked as successful with green checkmarks.



## Deployment of Machine Learning Models

Jobs » ChristopherGSTest » deploying-machine-learning-models » test-heroku-ci » 17 (section\_10\_deploy\_to\_heroku)

Run workflow

9 (01:22)

TEST

Spin up Environment 00:31

Checkout code 00:00

Deploy to Heroku 00:50

```
$ #!/bin/bash -eo pipefail
git push https://heroku:SHEROKU_API_KEY@git.heroku.com/SHEROKU_APP_NAME.git master
Counting objects: 17, done.
Delta compression using up to 36 threads.
Compressing objects: 100% (9/9), done.
Writing objects: 100% (17/17), 1.73 KiB | 0 bytes/s, done.
Total 17 (delta 8), reused 13 (delta 4)
remote: Compressing source files... done.
remote: Building source:
remote:
remote: ----> Python app detected
remote: ----> Installing requirements with pip
remote:
remote: ----> Discovering process types
remote:   Procfile declares types => web
remote:
remote: ----> Compressing...
remote:   Done: 109.3M
remote: ----> Launching...
remote:   Released v8
remote:   https://udemy-course-dummy.herokuapp.com/ deployed to Heroku
remote:
remote: Verifying deploy... done.
To https://git.heroku.com/udemy-course-dummy.git
Seec34..78611ad master -> master
```

Exit code: 0

## Links

Generating your heroku API key:

<https://help.heroku.com/PBGP6IDE/how-should-i-generate-an-api-key-that-allows-me-to-use-the-heroku-platform-api>

Heroku deploying with git: <https://devcenter.heroku.com/articles/git>