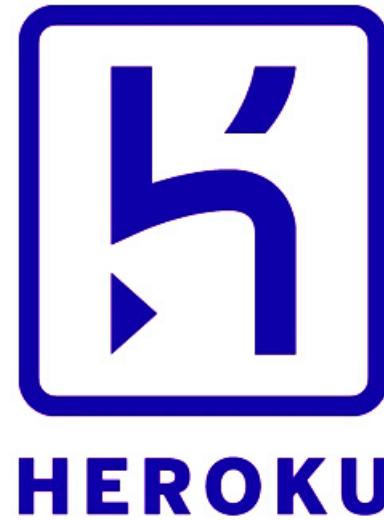
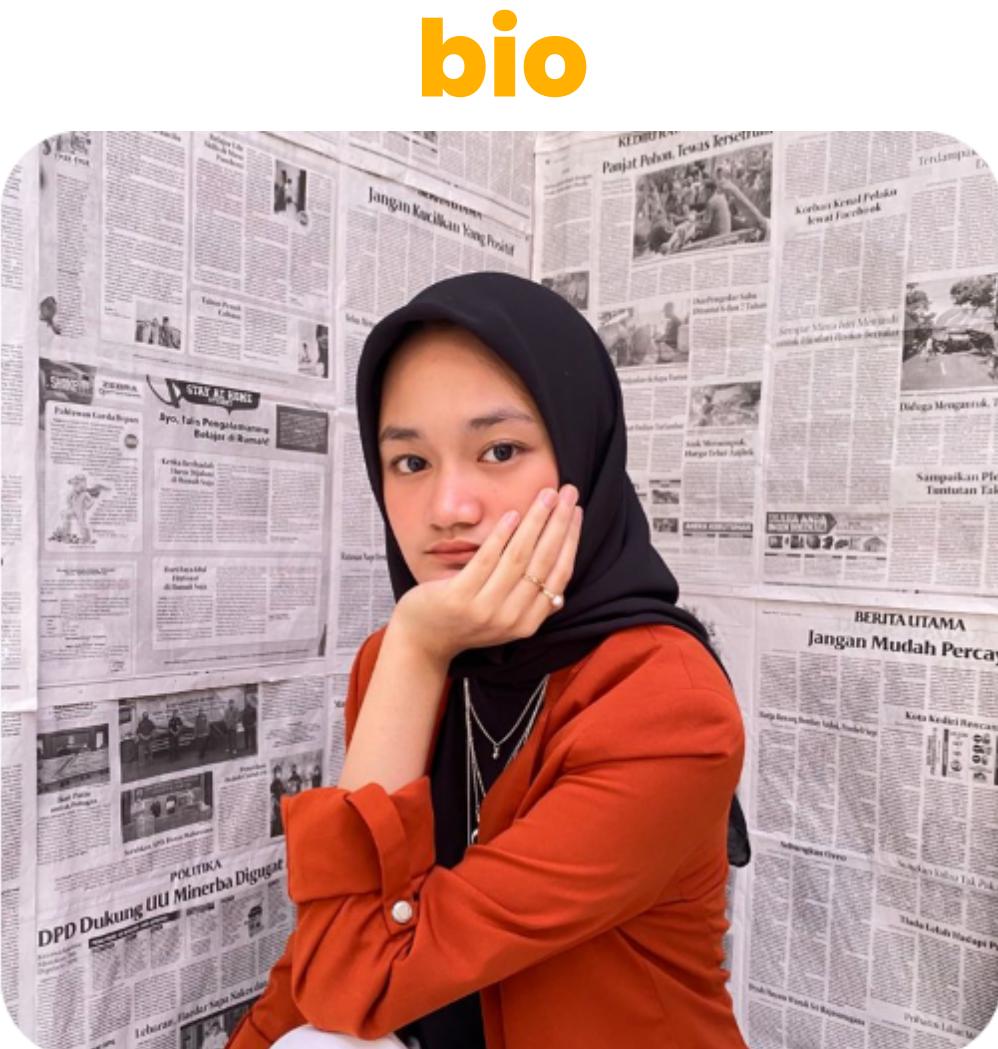


DEPLOYMENT MODEL DI HEROKU

By Aurora Rahyu Fasya



Profile



Aurora Rahyu Fasya

Summary

Saya memiliki pengalaman dibidang Ekonomi dan Bisnis selama 3 tahun dibidang Marketing dan Perbankan. Berpengalaman dalam organisasi kampus yaitu Himpunan Mahasiswa Prodi Manajemen selama 3 Tahun. Latar belakang saya memiliki keahlian dalam Marketing.

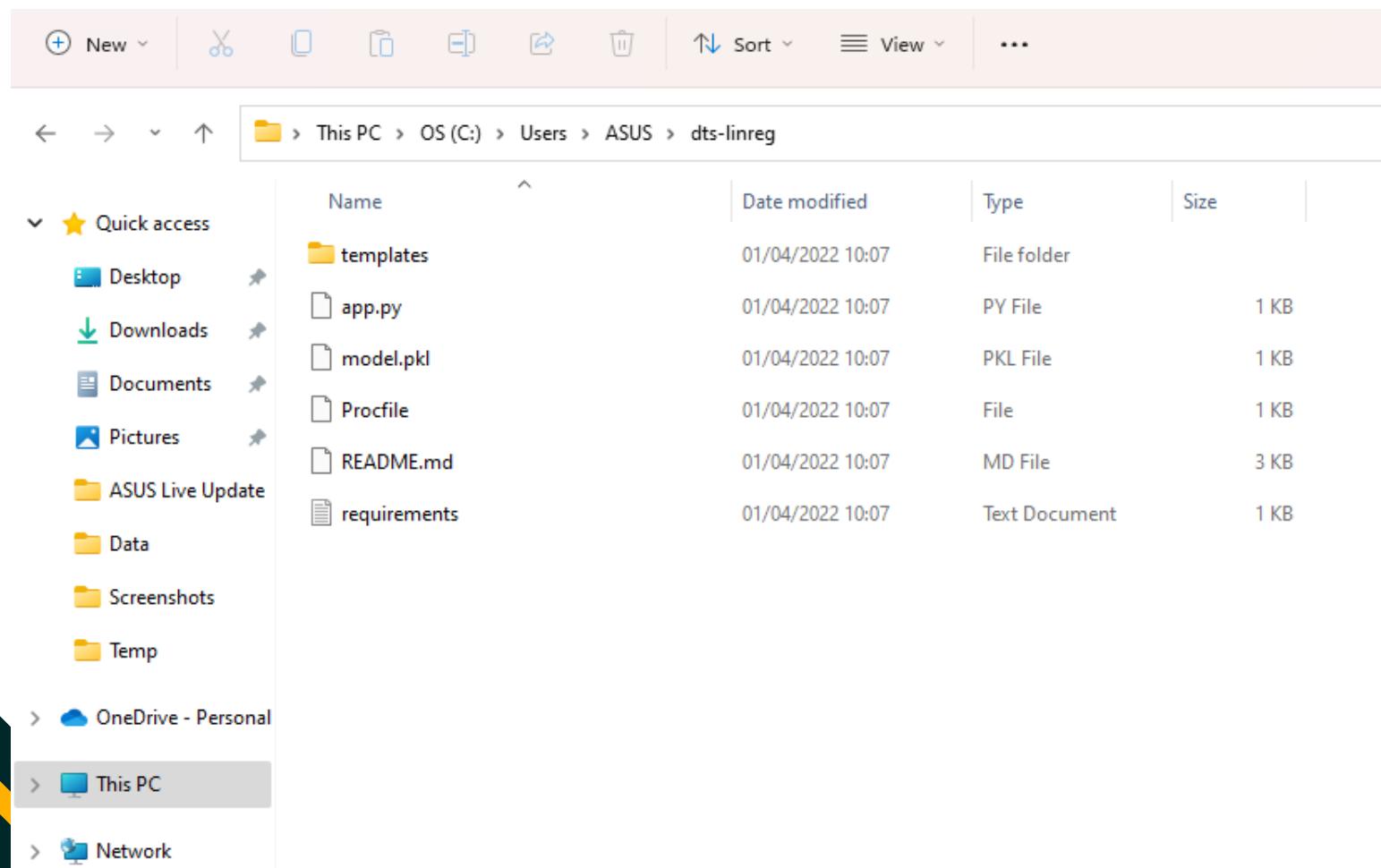
Email : Aurorarahyu23@gmail.com

Github : AuroraRhyf

Linkedin : <http://linkedin.com/in/aurora-rahyu-fasya-6abb89204>

Step 1

Pastikan bahwa anda telah membuat model, bisa machine learning (prediksi, klasifikasi, atau clustering), deep learning, maupun lainnya dalam Visual Studio Code menggunakan framework flask, dan disimpan dalam satu folder. Atau mengambil model yang sudah ada di Github dengan mendownloadnya dalam bentuk file Zip yang kemudian di ekstarak (disini saya menggunakan model dari algoritma regresi linier)



Model tersimpan dalam folder dts

The screenshot shows a GitHub repository page for 'jumadi-cloud / dts-linreg'. The repository is public, has 3 stars, and 5 forks. It contains a single branch named 'main'. The repository listing shows files: 'templates', 'Procfile', 'README.md', 'app.py', 'model.pkl', and 'requirements.txt'. A large green arrow points from the left side of the image towards this screenshot.

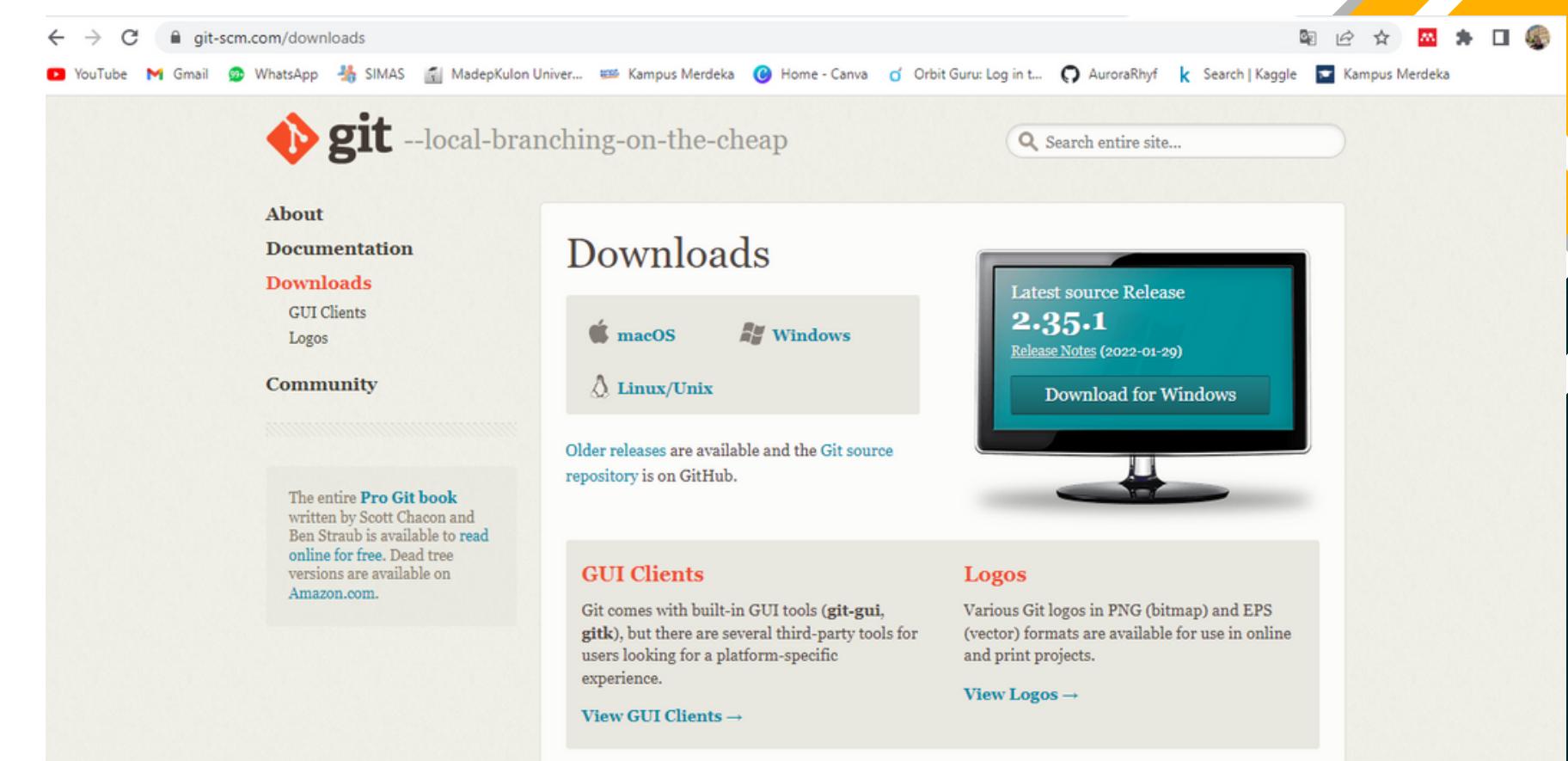
Download file Zip dari Github

Step 2

Install git melalui link: <https://git-scm.com/downloads>

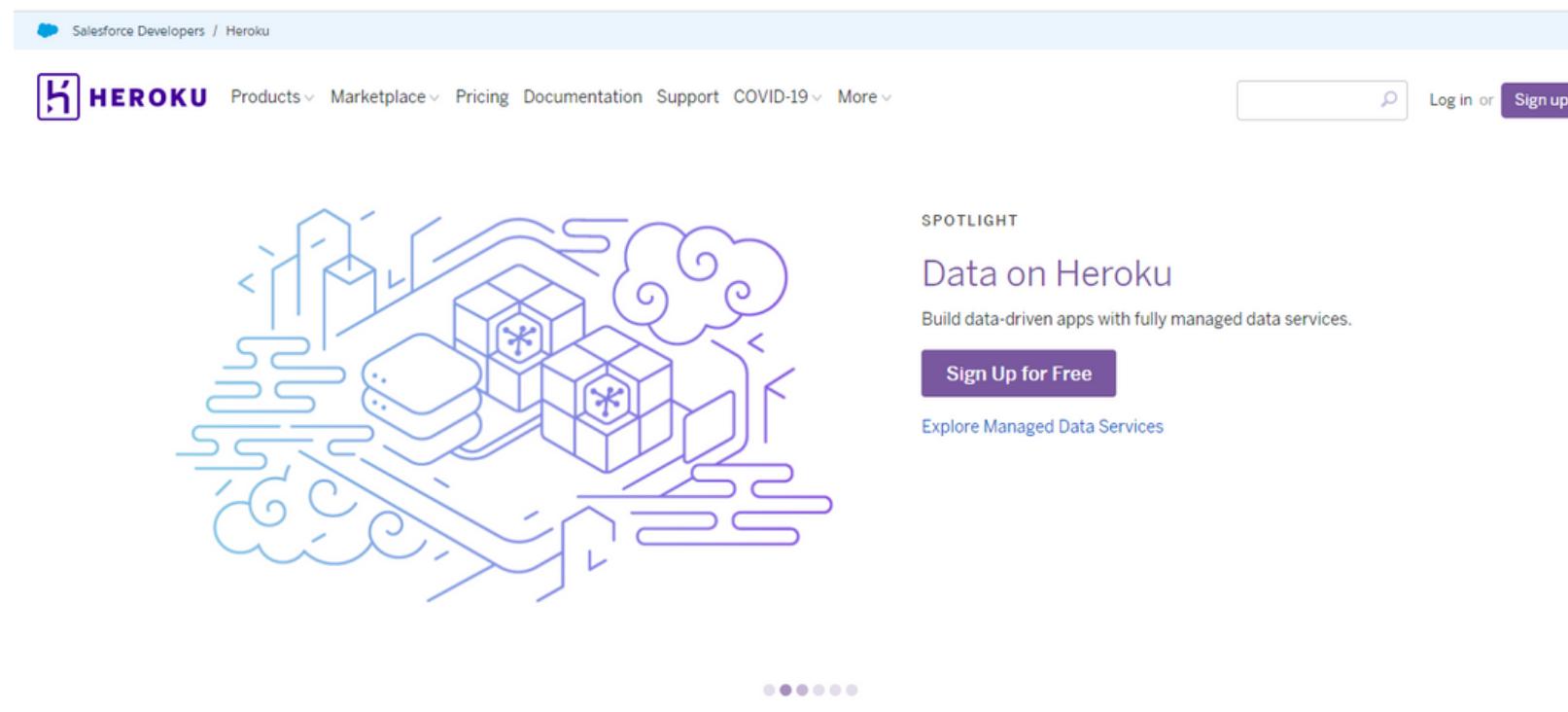
setelah terinstal, lakukan konfigurasi dengan mengetikkan beberapa perintah berikut di Git Bash :

- git config --global user.name "username github"
- git config --global user.email "username email"
- git init
- ls (untuk memeriksa apakah konfigurasi sudah berhasil dengan memberikan informasi umum)
- ll (memberikan informasi detail)



Step 3

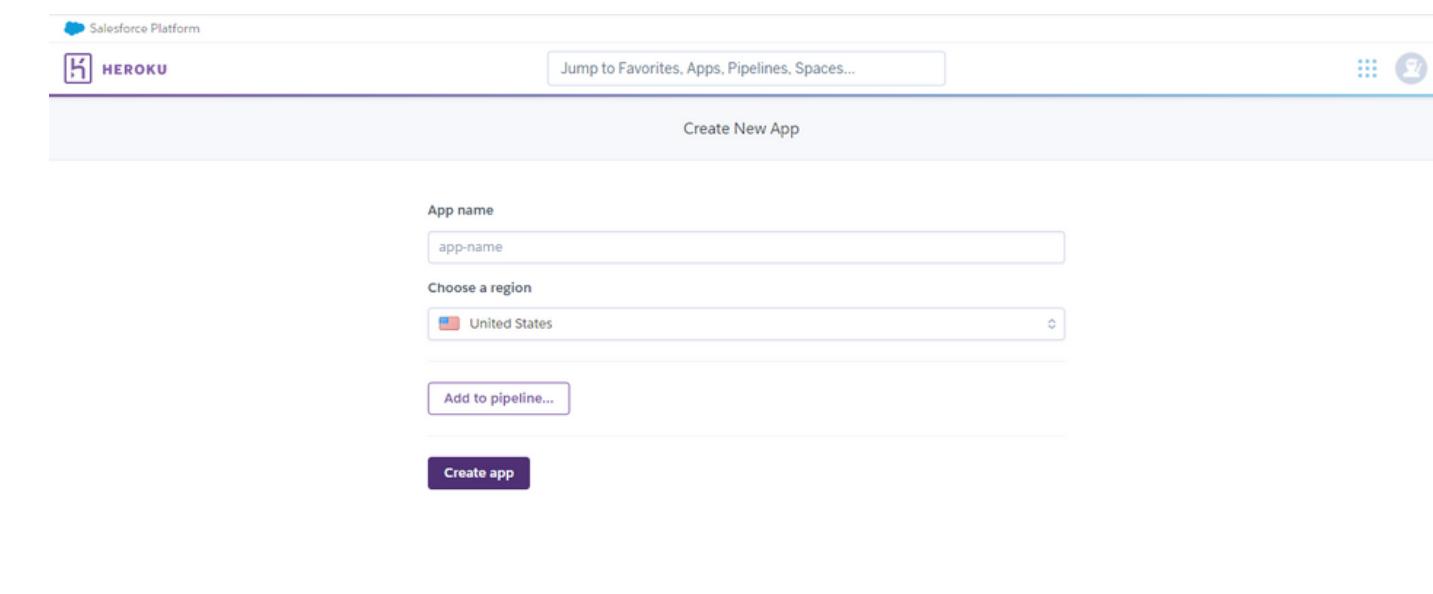
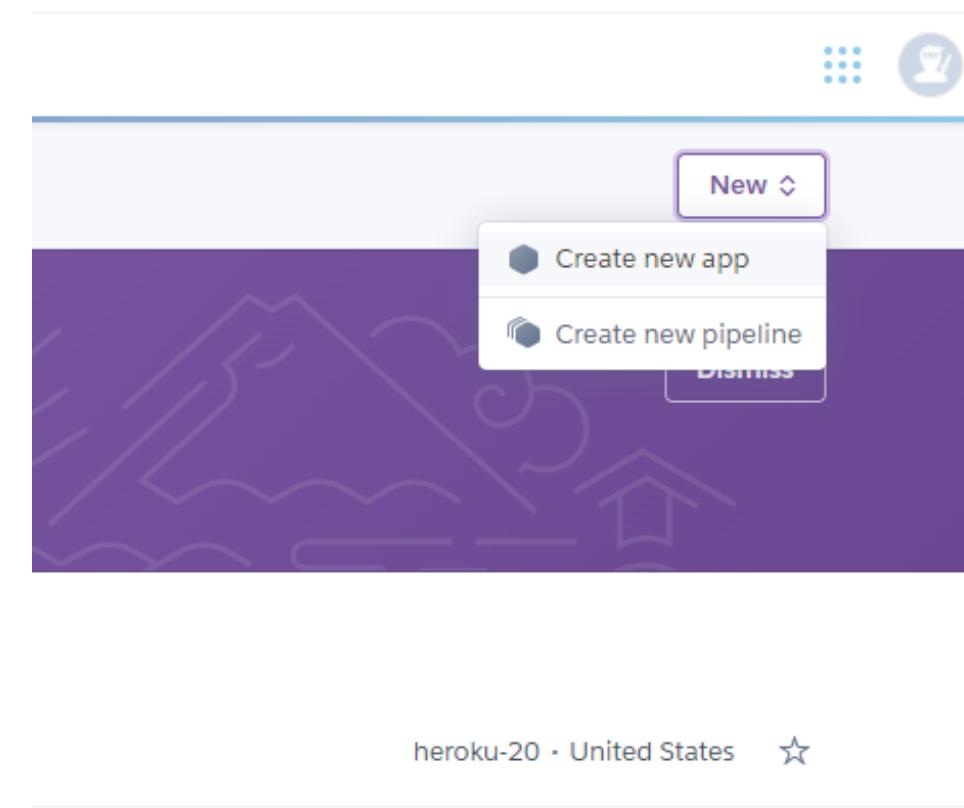
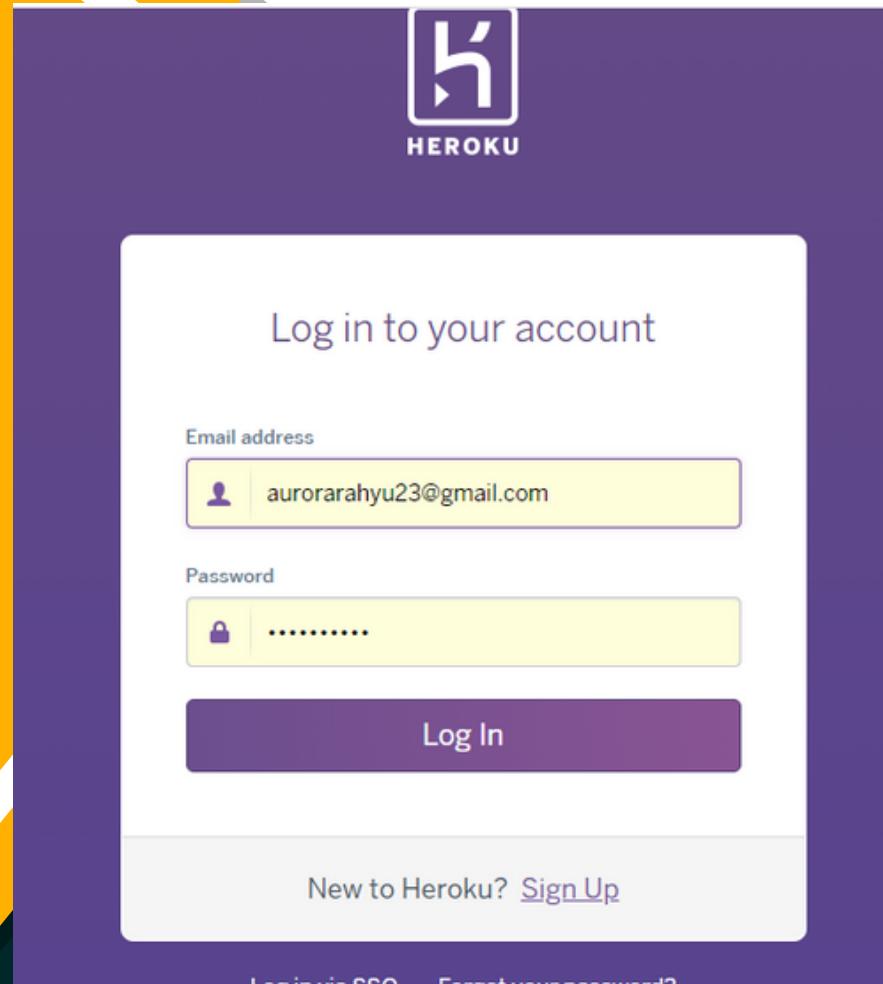
- Buat akun di heroku.com
- Lalu install heroku di melalui laman devcenter.heroku.com sesuai dengan sistem operasi masing-masing laptop.



A screenshot of the Heroku Dev Center documentation page for 'The Heroku CLI'. The page has a dark header with the Heroku logo, a search bar, and 'Log in or Sign up' buttons. The main content area has a sidebar with 'CATEGORIES' like 'Heroku Architecture', 'Command Line', 'Deployment', etc. The main content shows the 'Table of Contents' for the CLI documentation, which includes sections like 'Install the Heroku CLI', 'Verify Your Installation', and 'Get Started with the Heroku CLI'. Below the table of contents, there are three sections for different operating systems: 'macOS' with the command '\$ brew tap heroku/brew && brew install heroku', 'Windows' with links for '64-bit installer' and '32-bit installer', and 'Ubuntu 16+' with the command '\$ sudo snap install --classic heroku'. A note at the bottom states 'Snap is available on other Linux OS's as well.'

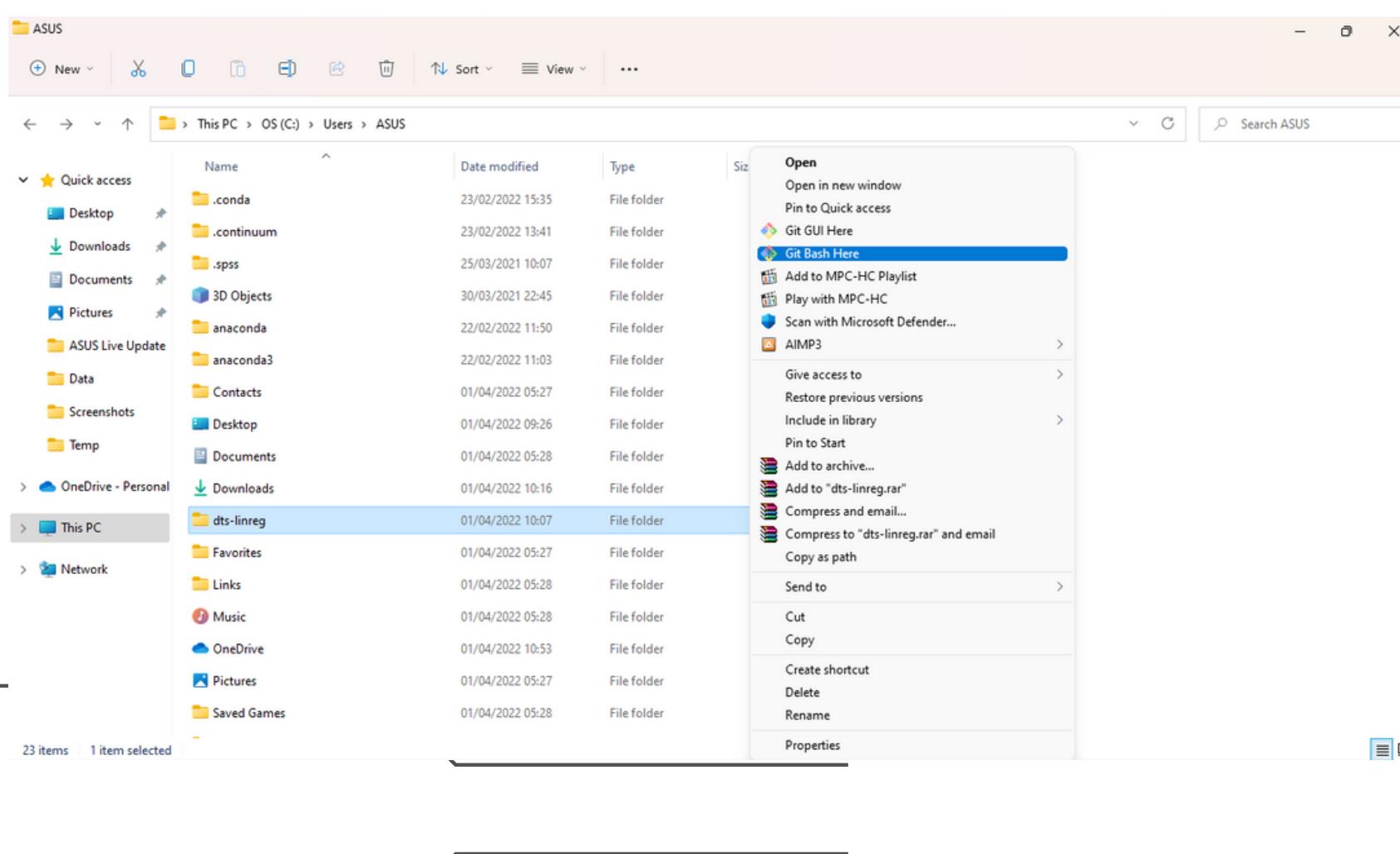
Step 4

Login di akun heroku yang telah dibuat -> Klik New di pojok kanan atas -> Pilih Create new app -> Tulis appname bebas boleh apapun itu (disini saya menuliskan linierregretion) -> Region tetap United States -> terakhir Create app



Step 5

Buka Git Bash dari folder yang berisi model dengan cara klik kanan -> pilih Git Bash -> lalu ketikkan perintah "heroku login" -> klik enter -> akan muncul perintah dengan akhiran to exit -> klik enter kembali -> tunggu beberapa saat hingga muncul laman log in to your account dan masuk ke dashboard heroku.



A screenshot of a terminal window titled 'Git CMD - heroku login'. The command 'heroku login' is entered. The terminal displays instructions: 'heroku: Press any key to open up the browser to login or q to exit:'. It then shows the URL 'Opening browser to https://cli-auth.heroku.com/auth/cli/browser/09226316-2870-4de5-baf4-73fa0b9dcfbc?requestor=SFMyNTY.g2gDbQAAAA4xMTAuMTM5Ljc2LjEzMW4GALC3D_h_AWIAAVGA.CDNAEPfJtMi-2RObsDegAUNhKXmt4znY20IhXJ8jKS'. Below the terminal is a screenshot of the Heroku web interface, showing the 'Welcome to Heroku' screen with the message 'Now that your account has been set up, here's how to get started.' and a 'Show next steps' button.

Step 6

Setelah dasboard heroku terbuka, maka di Git Bash akan muncul keterangan "Login in done" -> Ketik cd dts-linreg -> Lalu Enter -> Ketik git init-> Klik Enter -> Ketik heroku git:remote -a linierregretion -> klik Enter -> Ketik Git add . -> Klik Enter -> Ketik git commit -am "make it better" -> Klik Enter -> Ketik git push heroku main -> Klik Enter (kode perintah terhadap dibagian deploy app name yang telah dibuat).

The screenshot shows the Heroku dashboard with the following sections:

- Install the Heroku CLI**: A link to download and install the Heroku CLI.
- Clone the repository**: Instructions to use Git to clone the repository to your local machine, followed by a command prompt:

```
$ heroku login
```

```
$ heroku git:clone -a linierregretion
```

```
$ cd linierregretion
```
- Deploy your changes**: Instructions to make changes and deploy them to Heroku using Git, followed by a command prompt:

```
$ git add .
```

```
$ git commit -am "make it better"
```

```
$ git push heroku master
```

The screenshot shows two side-by-side Git CMD windows. The left window shows the initial setup and cloning of the repository:

```
C:\Users\ASUS>heroku login
heroku: Press any key to open up the browser to login or q to exit:
Opening browser to https://cli-auth.herokuapp.com/auth/cli/browser/97543454-7054-4e7a-96b2-94cf7b747981?requestor=SFMyNTY.g2gDbQAAAawzNi44MS4yMDYuMzBuBgCYGFH1fwFiAAFRgA.HH
5Trb0PClcwMFIVMEj91IqAF8-93zOGr4AWithJhA
Logging in... done
Logged in as aurorarahu23@gmail.com
```

```
C:\Users\ASUS>cd dts-linreg
```

```
C:\Users\ASUS>dts-linreg>git init
reinitialized existing Git repository in C:/Users/ASUS/dts-linreg/.git/
C:\Users\ASUS>dts-linreg>heroku git:remote -a linierregretion
set git remote heroku to https://git.heroku.com/linierregretion.git
```

```
C:\Users\ASUS>dts-linreg>git add .
```

The right window shows the deployment process:

```
C:\Users\ASUS>dts-linreg>git commit -am "make it better"
on branch main
Your branch is up to date with 'origin/main'.
nothing to commit, working tree clean
```

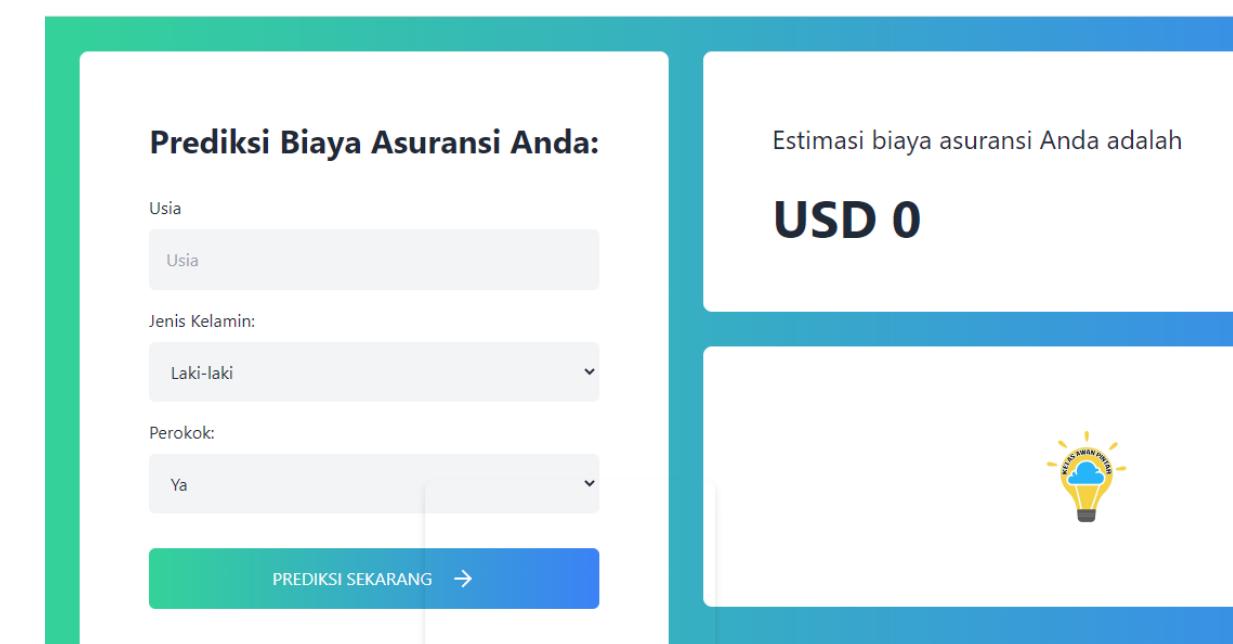
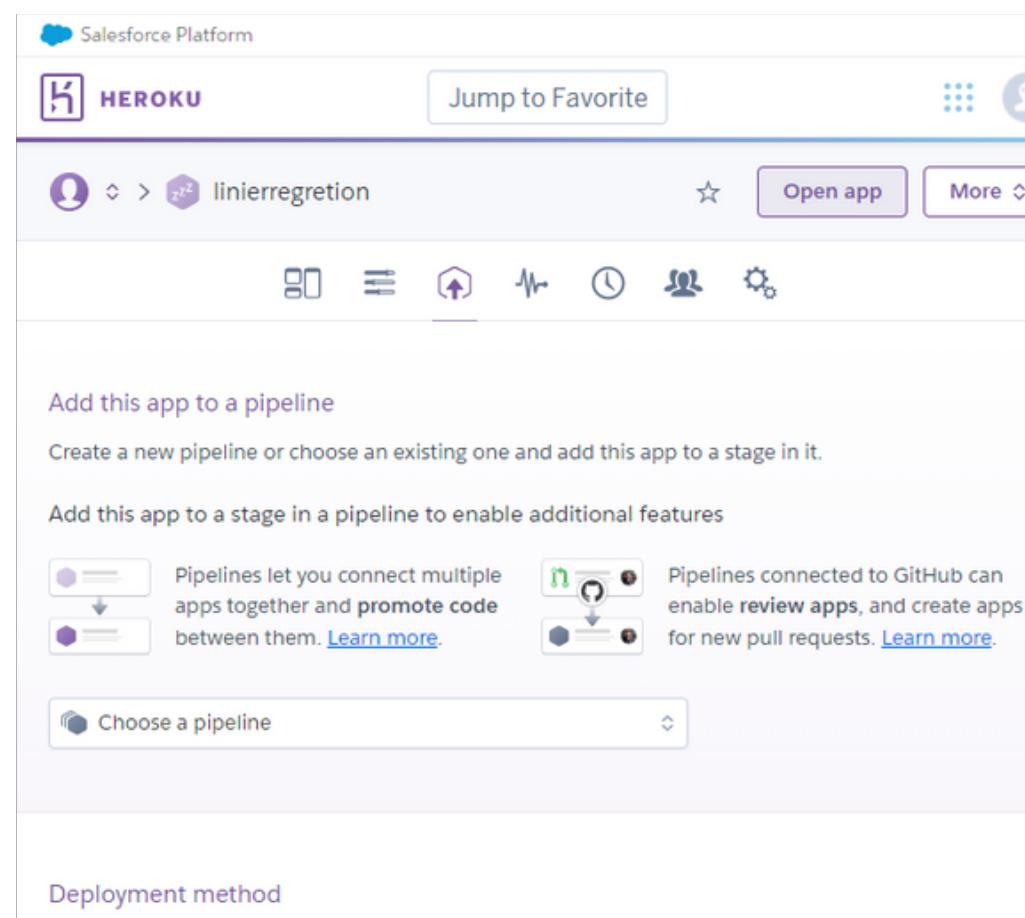
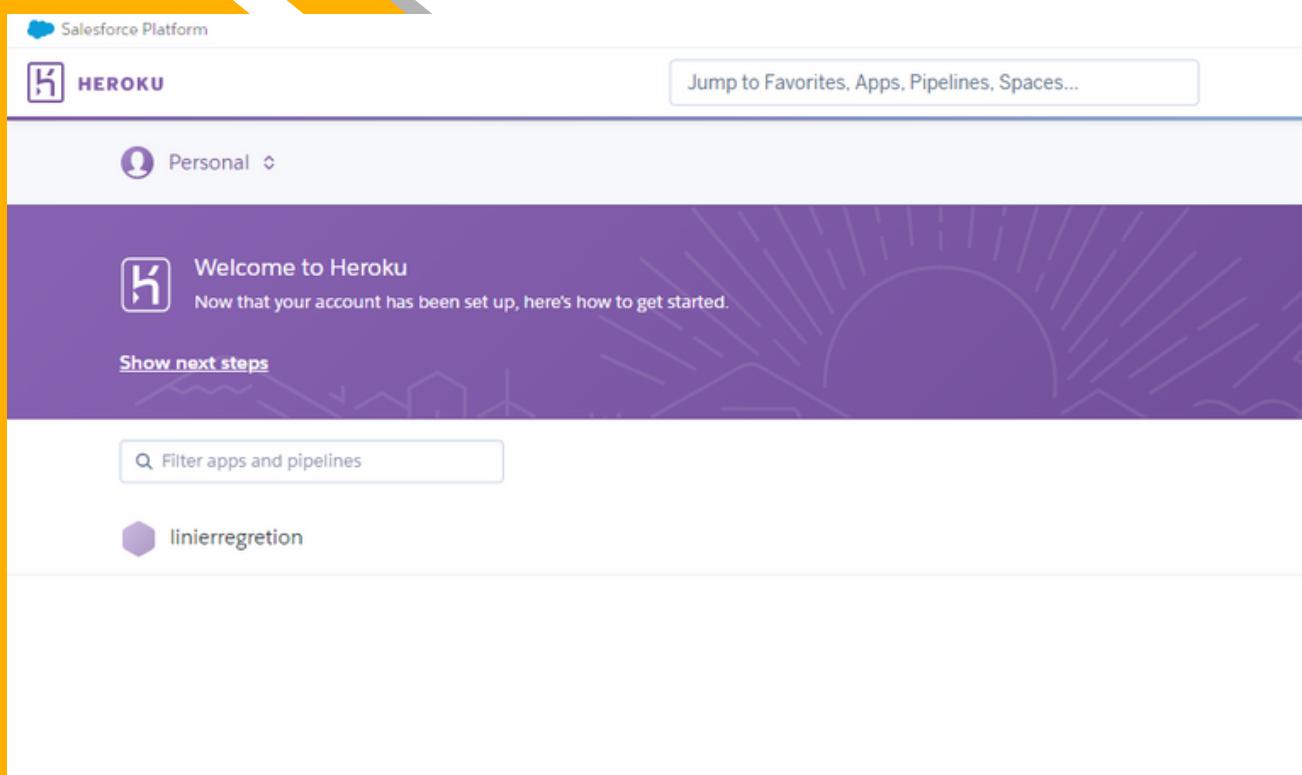
```
C:\Users\ASUS>dts-linreg>git push heroku main
Enumerating objects: 18, done
Counting objects: 100% (18/18), done.
Delta compression using up to 8 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (18/18), 4.66 KiB | 1.55 MiB/s, done.
Total 18 (delta 5), reused 18 (delta 5), pack-reused 0
remote: Compressing source files... done.
remote: Building source:
remote: -----> Building on the Heroku-20 stack
remote: -----> Determining which buildpack to use for this app
remote: -----> Python app detected
remote: -----> No Python version was specified. Using the buildpack default: python-3.10.4
remote: To use a different version, see: https://devcenter.heroku.com/articles/python-runtimes
remote: -----> Installing python-3.10.4
remote: -----> Installing setuptools-57.5.0, setuptools-57.5.1, and wheel-0.37.0
remote: -----> Installing SQLite3
remote: -----> Installing requirements with pip
remote:   Collecting Flask
remote:     Downloading Flask-2.1.1-py3-none-any.whl (95 kB)
remote:   Collecting gunicorn
remote:     Downloading gunicorn-20.1.0-py3-none-any.whl (79 kB)
remote:   Collecting scikit-learn
remote:     Downloading scikit_learn-1.0.2-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (26.5 MB)
```

```
C:\Users\ASUS>heroku git:remote -a linierregretion
remote: Collecting Werkzeug==2.0
remote:   Downloading Werkzeug-2.1.1-py3-none-any.whl (224 kB)
remote: Collecting Jinja2==3.0
remote:   Downloading Jinja2-3.1.1-py3-none-any.whl (132 kB)
remote: Collecting itsdangerous==2.0
remote:   Downloading itsdangerous-2.1.2-py3-none-any.whl (15 kB)
remote: Collecting click==8.0
remote:   Downloading click-8.1.2-py3-none-any.whl (96 kB)
remote: Collecting threadpoolctl==2.0.0
remote:   Downloading threadpoolctl-3.1.0-py3-none-any.whl (14 kB)
remote: Collecting scipy==1.1.0
remote:   Downloading scipy-1.8.0-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (42.3 MB)
remote: Collecting joblib==1.1.0-py2.py3-none-any.whl (306 kB)
remote: Collecting numpy==1.14.6
remote:   Downloading numpy-1.22.3-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (16.8 MB)
remote: Collecting MarkupSafe==2.0
remote:   Downloading MarkupSafe-2.1.1-py3-none-any.whl (25 kB)
remote:   Successfully installed Jinja2-3.1.1 MarkupSafe-2.1.1 Werkzeug-2.1.1 click-8.1.2 flask-2.1.1 gunicorn-20.1.0 itsdangerous-2.1.2 joblib-1.1.0 numpy-1.22.3
scikit-learn-1.0.2 scipy-1.8.0 threadpoolctl-3.1.0
remote: -----> Discovering process types
remote: Procfile declares types > web
remote: -----> Compressing...
remote: Done: 150.7M
remote: -----> Pushing...
remote: Released v3
remote: https://linierregretion.herokuapp.com/ deployed to Heroku
remote: Verifying deploy... done.
To https://git.heroku.com/linierregretion.git
 * [new branch]      main -> main
```

```
C:\Users\ASUS>dts-linreg>
```

Step 7

Terakhir, Cek terlebih dahulu apakah proses deploy berhasil dengan cara klik app name yang telah dibuat didalam dasboard heroku -> Lalu Klik open app di pojok kanan atas -> maka akan muncul sebuah web di tab baru jika berhasil.



HASIL DEPLOYMENT

← → ⌂ https://linierregretion.herokuapp.com

YouTube Gmail WhatsApp SIMAS MadepKulon Univer... Kampus Merdeka Home - Canva Orbit Guru: Log in t... AuroraRhyf Search | Kaggle Kampus Merdeka »

Prediksi Biaya Asuransi Anda:

Usia

Usia

Jenis Kelamin:

Laki-laki

Perokok:

Ya

PREDIKSI SEKARANG →

Estimasi biaya asuransi Anda adalah

USD 0



Thank You