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BATCH: LISUM04

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Submitted to: Data Glacier

Data selected for this assignment is a file for college admissions. It contains 3 features:

1. admit
  2. gpa
  3. gre
- admit gives the final decision of student admitted or not in binary, with 0 meaning not admitted and 1 meaning admitted.
  - gpa is the GPA score of the student
  - gre is the GRE test score of the student

Spyder 5.05 IDE was used to edit the files

Logistic Regression is used to build a model which will predict student admission based on their GPA and GRE test scores.

Application will ask for 2 inputs, GPA and GRE test score, and will give a prediction of Admitted or Not Admitted. If non numeric values are entered or if values are numeric but out of range, then application will inform the user on the screen and ask for proper input values.

Application accessible at below link:

<https://university-admission-app.herokuapp.com/>

Github Folder containing app files accessible at below link:

<https://github.com/xotofloyt/university-admission-app>

## Upload Files to Github Repository

The screenshot shows the GitHub repository page for 'xotofloyt / university-admission-app'. The repository is public and has 1 branch (main) and 0 tags. The commit history shows 11 commits. The files listed are: static, templates, LICENSE, Procfile, admissions.csv, app.py, model.pkl, model.py, and requirements.txt. The right sidebar shows the 'About' section with no description, website, or topics provided, and the MIT License. The 'Releases' section shows no releases published, and the 'Packages' section shows no packages published.

File	Commit Message	Time Ago
static	Adding static and templates folders	7 minutes ago
templates	Adding static and templates folders	7 minutes ago
LICENSE	Initial commit	5 hours ago
Procfile	Rename procfile to Procfile	22 minutes ago
admissions.csv	Uploading app files for Heroku deployment	5 hours ago
app.py	Uploading app files for Heroku deployment	5 hours ago
model.pkl	Uploading app files for Heroku deployment	5 hours ago
model.py	Uploading app files for Heroku deployment	5 hours ago
requirements.txt	adding gunicorn requirement	4 hours ago

## Creating new app in Heroku

The screenshot shows the Heroku 'Create New App' form. The 'App name' field is filled with 'university-admission-app' and has a green checkmark. Below it, a message states 'university-admission-app is available'. The 'Choose a region' dropdown is set to 'United States'. There is an 'Add to pipeline...' button and a 'Create app' button.

Jump to Favorites, Apps, Pipelines, Spaces...

Create New App

App name

university-admission-app

university-admission-app is available

Choose a region

United States

Add to pipeline...

Create app

## Connecting to Github from Heroku

Salesforce Platform

HEROKU

Jump to Favorites, Apps, Pipelines, Spaces...

Add this app to a pipeline

Create a new pipeline or choose an existing one and add this app to a stage in it.

Add this app to a stage in a pipeline to enable additional features

Pipelines let you connect multiple apps together and promote code between them. [Learn more.](#)

Pipelines connected to GitHub can enable **review apps**, and create apps for new pull requests. [Learn more.](#)

Choose a pipeline

Deployment method

Heroku Git  
Use Heroku CLI

GitHub  
Connected

Container Registry  
Use Heroku CLI

App connected to GitHub

Code diffs, manual and auto deploys are available for this app.

Connected to [xotofloyt/university-admission-app](#) by [xotofloyt](#) [Disconnect...](#)

Releases in the [activity feed](#) link to GitHub to view commit diffs

## Deploying Branch in Heroku

Salesforce Platform

HEROKU

Jump to Favorites, Apps, Pipelines, Spaces...

Deploy the current state of a branch to this app.

This will deploy the current state of the branch you specify below. [Learn more.](#)

Choose a branch to deploy

main [Deploy Branch](#)

Receive code from GitHub [View build log](#)

Build main [2e43a124](#)

```
-----> Building on the Heroku-20 stack
-----> Using buildpack: heroku/python
-----> Python app detected
-----> No Python version was specified. Using the same version as the last build: python-3.9.7
      To use a different version, see: https://devcenter.heroku.com/articles/python-runtimes
-----> No change in requirements detected, installing from cache
-----> Using cached install of python-3.9.7
-----> Installing pip 20.2.4, setuptools 47.1.1 and wheel 0.36.2
```

☒ Autoscroll with output [View build log](#)

## Deployment Completed Successfully

The screenshot shows the Heroku dashboard for an application named 'university-admission-app'. The deployment status is 'Completed Successfully'. The deployment process is detailed as follows:

- Manual deploy:** Deploy the current state of a branch to this app.
- Deploy a GitHub branch:** This will deploy the current state of the branch you specify below. [Learn more.](#)
- Choose a branch to deploy:** A dropdown menu shows 'main' selected.
- Deploy Branch:** A button to initiate the deployment.
- Deployment Steps:**
  - Receive code from GitHub (Status: Success)
  - Build main 2e43a124 (Status: Success)
  - Release phase (Status: Success)
  - Deploy to Heroku (Status: Success)
- Message:** Your app was successfully deployed.
- View:** A button to view the application.

## Application Running Properly on Heroku

The screenshot shows the web application running on Heroku. The application is titled 'Predict College Admissions' and features a dark background with white text. It includes two input fields for 'GPA out of 4' and 'GRE Test Score Out of 800', and a 'Predict' button. The 'Data Glacier' logo is visible in the bottom left corner, with the tagline 'Your Deep Learning Partner'.

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