Assignment

(ML Internship)

Problem :

You have Superheroes dataset which have following columns:

1. Hero Name
2. Hero Actual Name
3. History : A brief history of hero background
4. Gender : Gender of superhero
5. Race : Race of hero he/she belongs e.g., Batman (Human)

*Superheroes Dataset can be found here* : [**Click Here**](https://drive.google.com/file/d/10-m66nAl8ceVvzPfFo4G4lfX6tJWjIDa/view?usp=sharing)

*Your task is to develop and deploy a web API in Flask/Django which can predict Hero’s ‘Race’ when ‘History’ of a superhero is provided* .

Evaluation Criteria :

1. Data Preprocessing : 30 %
2. Model Performance : 30 %
3. API Structure and Stability : 30 % (deployed model)
4. Coding Style : 10 % (clean code, best practices etc.)

Guidelines :

For Model creation you can use any algorithm provided in scikit-learn library. We **highly discourage** you to use Deep Learning for this problem.

For deployment of API you can use any cloud service providers like Heroku, Pythonanywhere etc.

Your submission MUST include :

* Link of your *github repository* which contains source code, pickle files along with all environment specific files like requirements.txt etc.
* Link of *deployed API* with all necessary instructions to follow inside your README file.

Send your submission (github repo link) via email on : [*team@legalshala.com*](mailto:team@legalshala.com)

**Deadline of submission** : **04 Dec, 2020 11:59 PM**

Kindly insure mentioning your *name and contact* info too.

Useful Links :

1. <https://devcenter.heroku.com/articles/getting-started-with-python>
2. <https://blog.pythonanywhere.com/121/>

For any query contact :

[*team@legalshala.com*](mailto:team@legalshala.com)