INTRODUCTION

- Fantasy Premier League
- Point Prediction

Data Acquisition

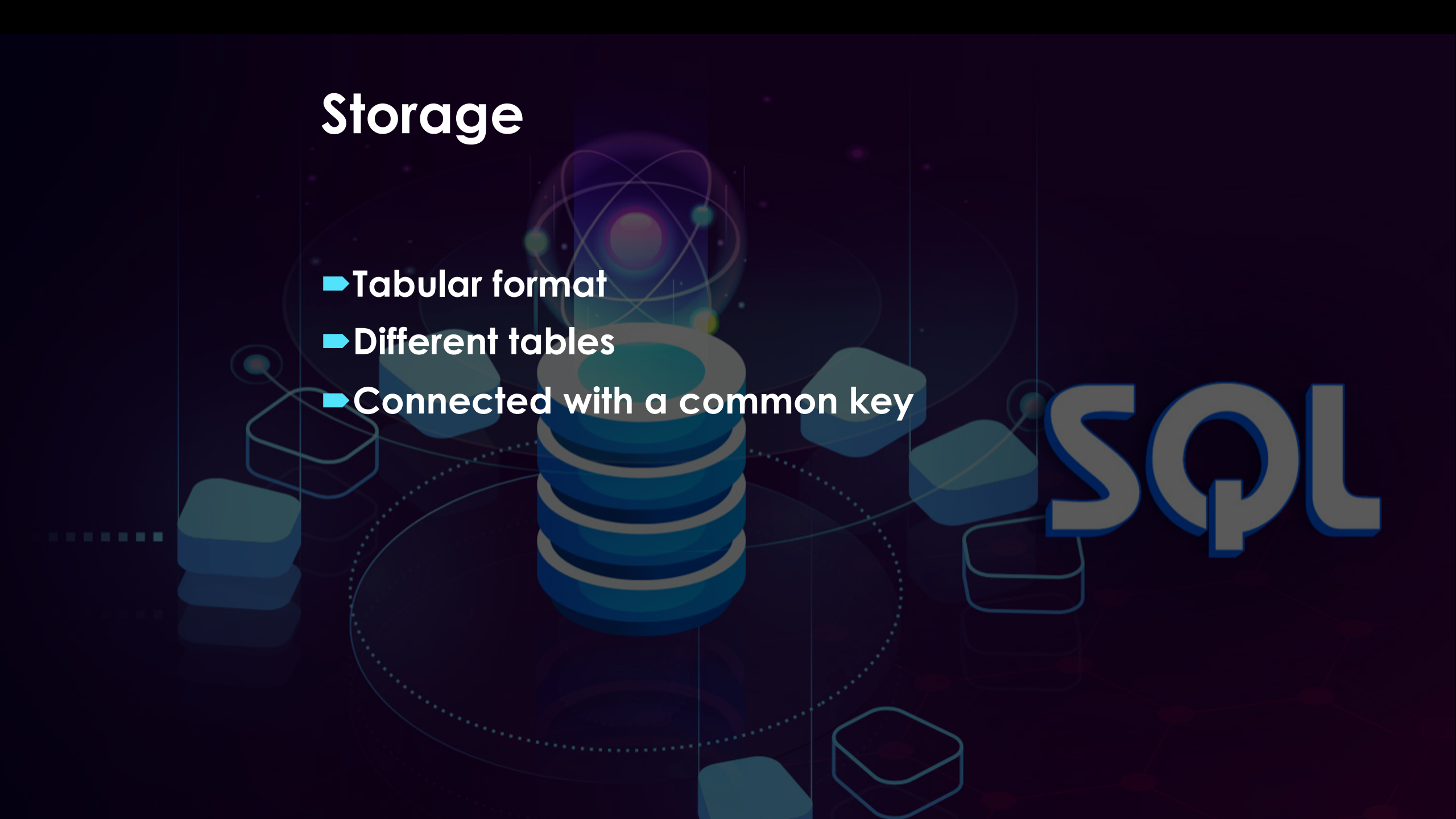
Fantasy Premier League API

1 season data

Over 700 players for 38 weeks

Storage

- Tabular format
- Different tables
- Connected with a common key



Modeling

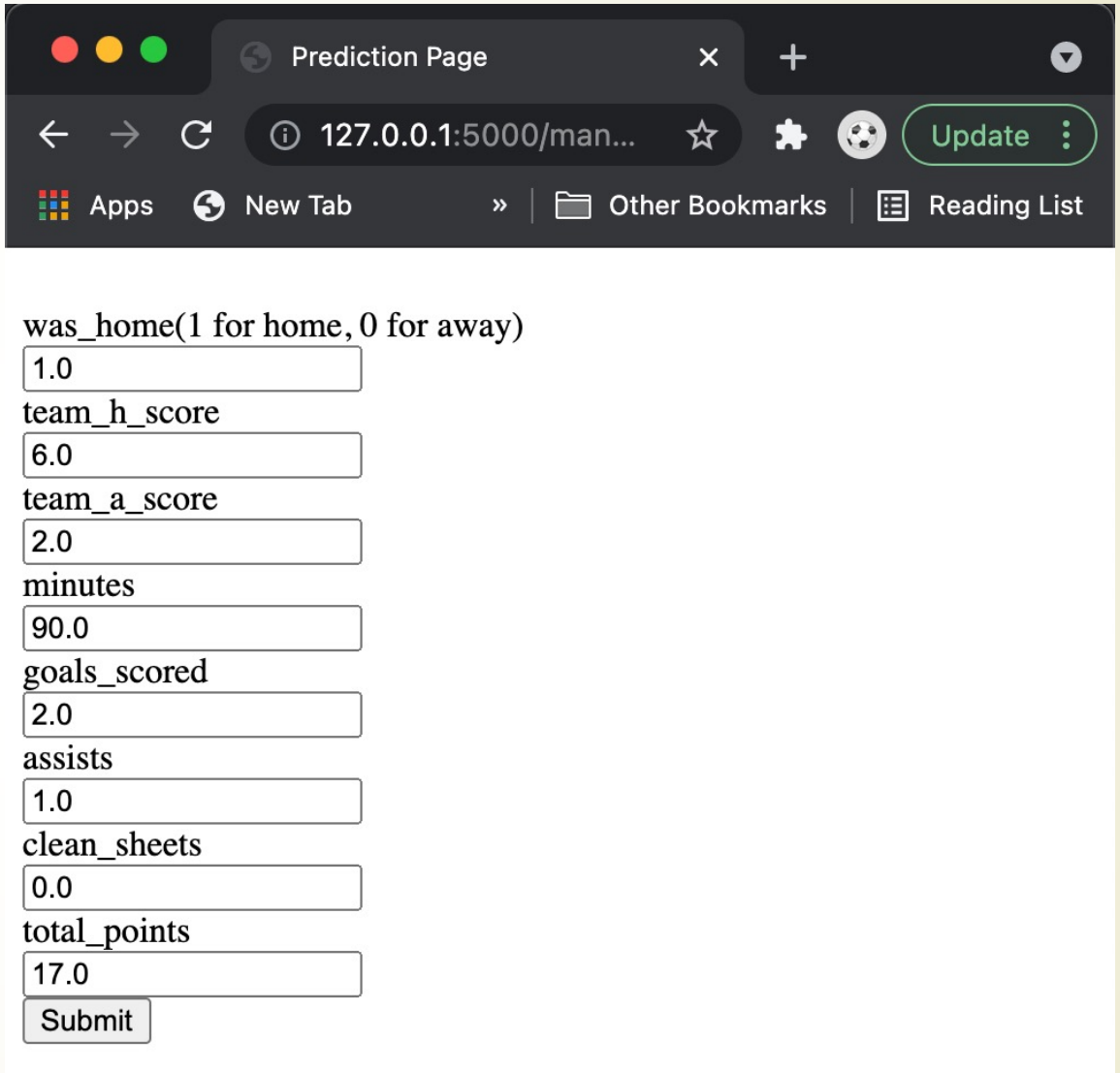
- Get data
- Linear regression model
- Save for later

Production

- Code cannot die in the notebook
- Let's make a web app
- Take input from user
- Interact with our model and database

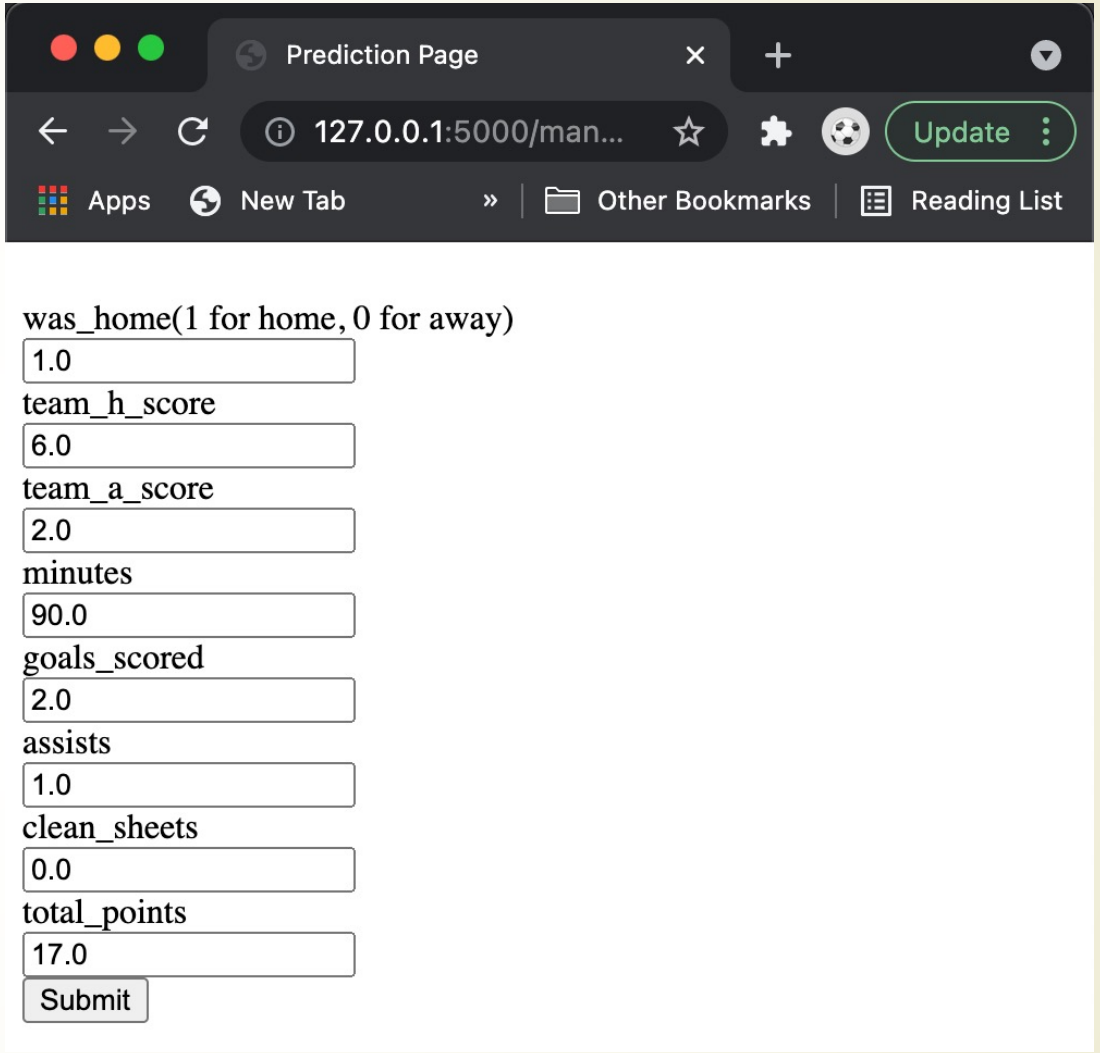
Functionality 1

- /manual-predict
  - Flask posts input to the model from user
  - Model returns the prediction to flask for user.



Functionality 2

- /Semi-Auto-predict
  - Dropdown menu for selection
  - User input is used to query the database for
  - Model receives data to make prediction



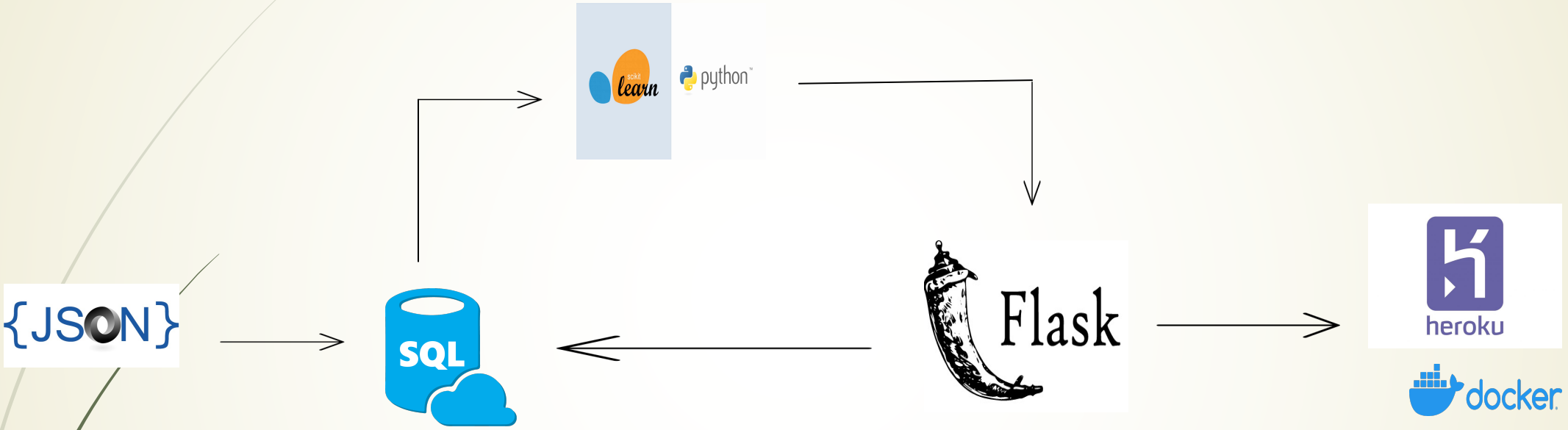
Deployment

If we can host it locally, then why not "Globally"

Heroku

Docker

Workflow



https://fantasy-fpl-bernard.herokuapp.com/

Future Work

- More Functionality
  - Make prediction for top n players to score highest
- Better styling

Thank you, People!!

Bernard Opoku