Name: Guangyan Huang

Batch code: LISUM 15

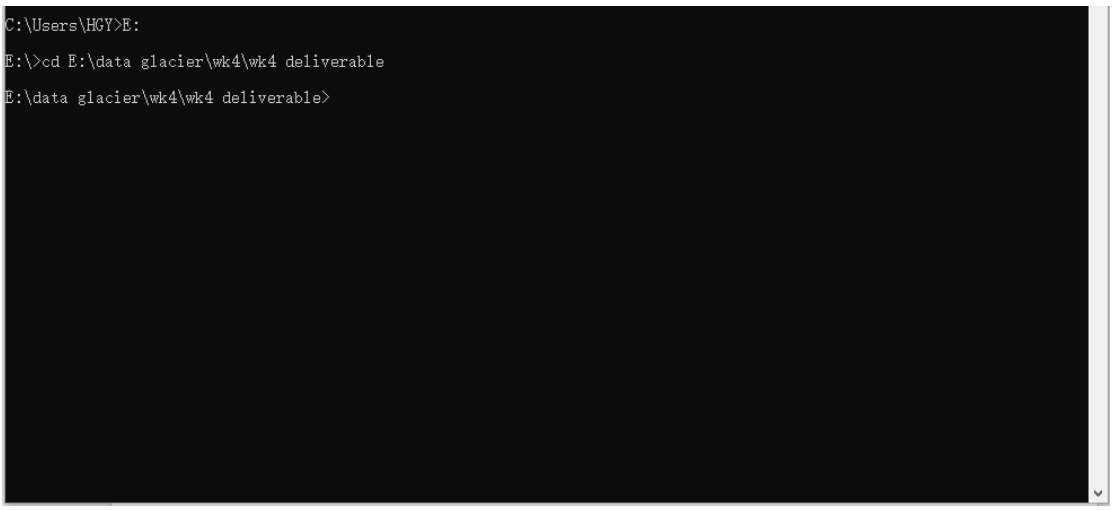
Submission date: Nov 27th 2022

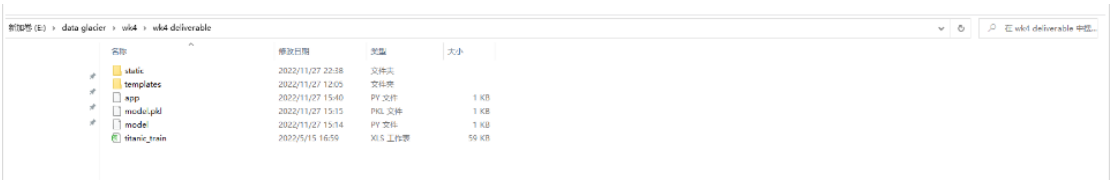
Submitted to: week 4 deployment on flask

Model description:

This file records snapshots of deploying a logistic regression model on flask. The dataset is the record of personal information for passengers of the Titanic, as well as whether they survived through the hazard. For this model, by entering user's personal information, the model will predict whether the user can survive from the Titanic shipwreck.

Step 1: After all the files are ready, we start by navigating to the local directory:



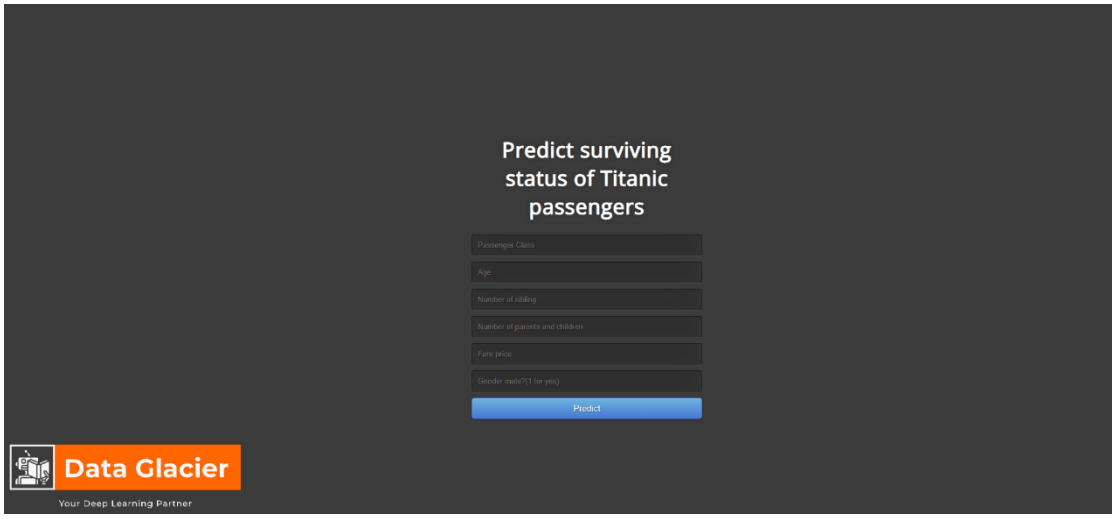


Step 2: Then we run the app.py file:

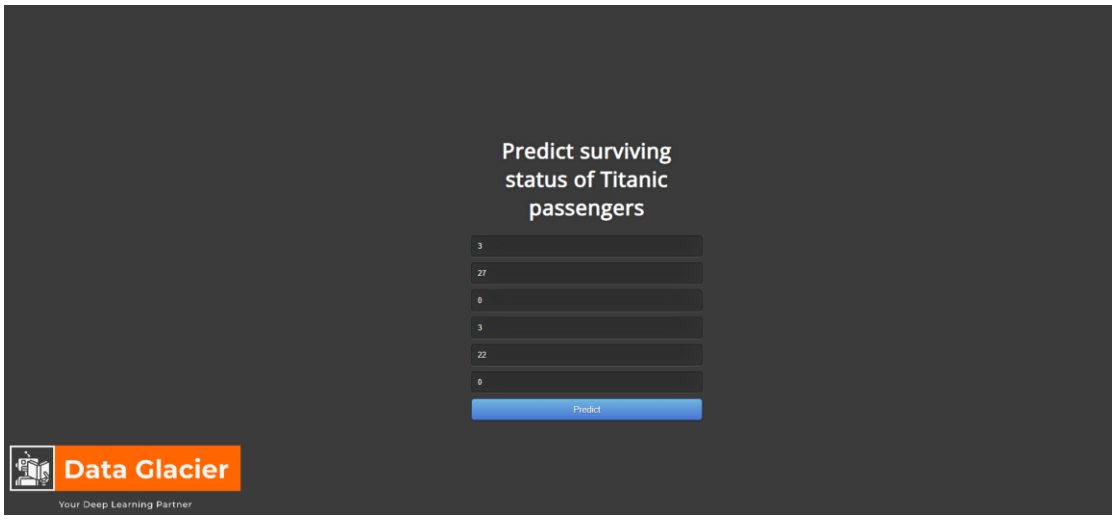
```
E:\data glacier\wk4\wk4 deliverable>python app.py
E:\python\lib\site-packages\sklearn\base.py:329: UserWarning: Trying to unpickle estimator LogisticRegression from versi
on 1.1.1 when using version 1.1.3. This might lead to breaking code or invalid results. Use at your own risk. For more i
nfo please refer to:
https://scikit-learn.org/stable/model_persistence.html#security-maintainability-limitations
  warnings.warn(
 * Serving Flask app 'app'
 * Debug mode: on
```

Step 3: The flask app is up and running, let's enter the homepage via Chrome:

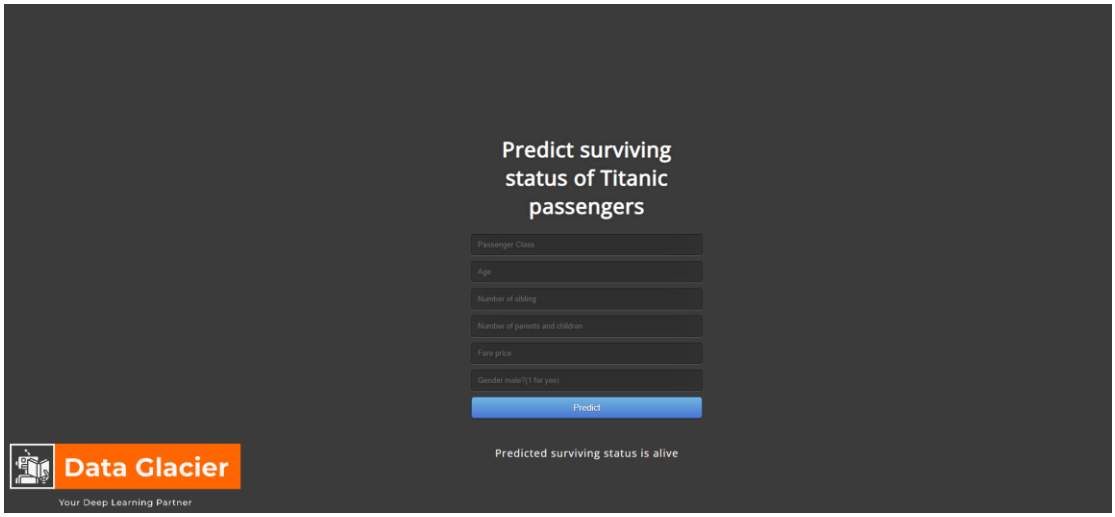
```
E:\data glacier\wk4\wk4 deliverable>python app.py
E:\python\lib\site-packages\sklearn\base.py:329: UserWarning: Trying to unpickle estimator LogisticRegression from versi
on 1.1.1 when using version 1.1.3. This might lead to breaking code or invalid results. Use at your own risk. For more i
nfo please refer to:
https://scikit-learn.org/stable/model_persistence.html#security-maintainability-limitations
  warnings.warn(
 * Serving Flask app 'app'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:5000
```



Step 4: Enter passenger class, age, number of siblings, number of parents and children, ticket fare as well as gender to the model. Then click predict.



Step 5: The prediction outcome shows up on the screen.


Predict surviving status of Titanic passengers
Passenger Class
Age
Number of sibling
Number of parents and children
Fare price
Gender male?(1 for yes)
Predict
Predicted surviving status is alive
Data Glacier
Your Deep Learning Partner