Jane Condon LISUM11: 30 07/27/2022

https://github.com/janecondon/Data-Glacier-Internship-Week-4.git

```
Jupyter Week4_Model Last Checkpoint: 3 minutes ago (autosaved)
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                                                                                                                      Python 3 (ipykernel) O
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                                In [55]: M df = pd.read_csv('winequality-red.csv')
                      In [56]: # df.dropna()
df.drop_duplicates(subset=None,inplace=True)
                      In [58]: M from sklearn.model_selection import train_test_split
                                 np.random.seed(0)
X_train, X_test, y_train, y_test =train_test_split(x,y,train_size=0.7,test_size=0.3,random_state=42)
                         Out[59]: | LinearRegression
                                 LinearRegression()
                       In [60]: | predictions = model.predict(X test)
                       In [61]: M print(model.coef_)
                                 In [62]: ) pickle.dump(model, open('my_model.pkl','wb'))
□ <sub>app.py</sub>×
        import numpy as np
from flask import Flask, request,render_template
import pickle
       app = Flask(__name__)
model = pickle.load(open('my_model.pkl', 'rb'))
       @app.route('/')
def home():
    return render_template('index_1.html')
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       int_features = [x for x in request.form.values()]
final_features = [np.array(int_features)]
prediction = model.predict(final_features)
             output = prediction[0]
             return render_template('index_1.html', prediction_text='Wine Quality should be {}'.format(outp
           __name__ == "__main__":
app.run(debug=False,use_reloader=False)
```



