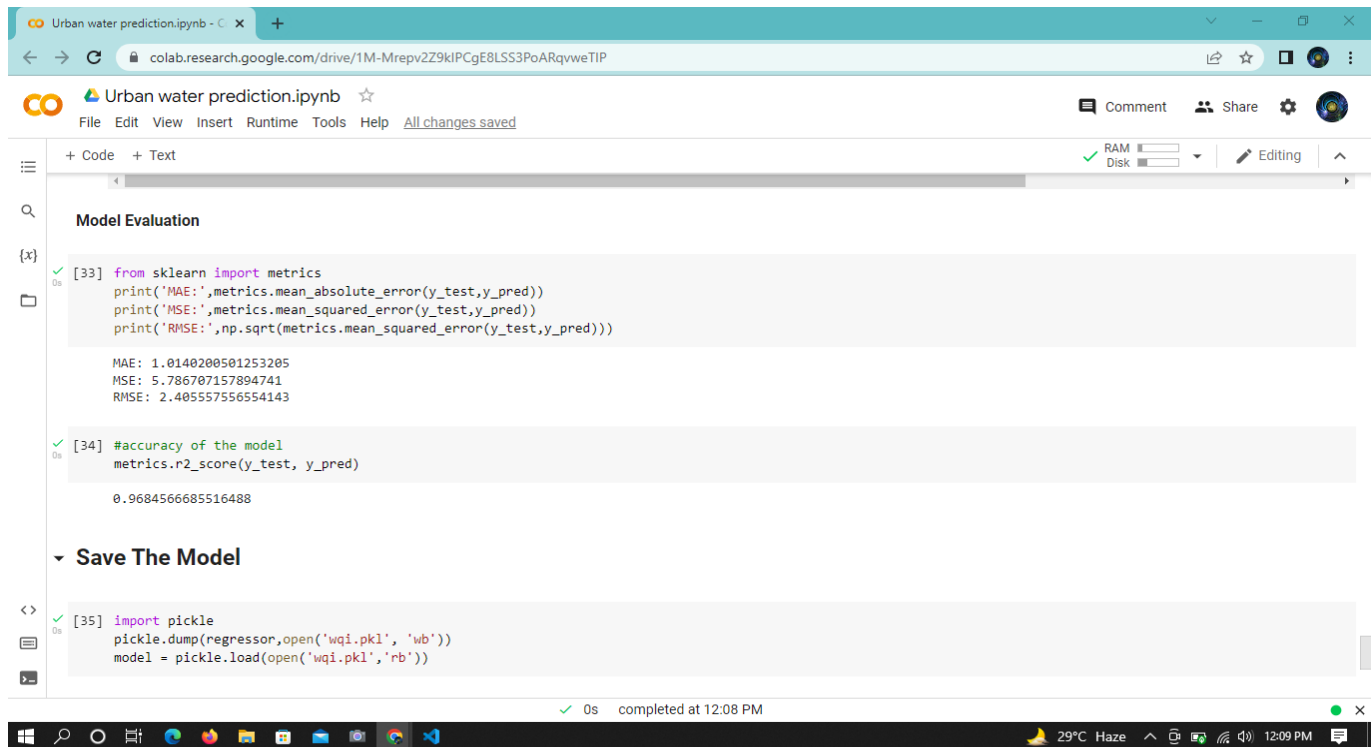


Model evaluation and save the model (screen shot)



The screenshot shows a Google Colab notebook interface. The browser address bar displays the URL: `colab.research.google.com/drive/1M-Mrepy2Z9kIPCgE8LSS3PoARqvweTIP`. The notebook title is "Urban water prediction.ipynb". The interface includes a menu bar (File, Edit, View, Insert, Runtime, Tools, Help) and a toolbar with icons for RAM, Disk, and Editing. The notebook content is divided into sections: "Model Evaluation" and "Save The Model".

Model Evaluation

```
[33] from sklearn import metrics
      print('MAE:', metrics.mean_absolute_error(y_test, y_pred))
      print('MSE:', metrics.mean_squared_error(y_test, y_pred))
      print('RMSE:', np.sqrt(metrics.mean_squared_error(y_test, y_pred)))

MAE: 1.0140200501253205
MSE: 5.786707157894741
RMSE: 2.405557556554143
```

Save The Model

```
[34] #accuracy of the model
      metrics.r2_score(y_test, y_pred)

0.968456685516488
```

```
[35] import pickle
      pickle.dump(regressor, open('wqi.pkl', 'wb'))
      model = pickle.load(open('wqi.pkl', 'rb'))
```

The bottom status bar indicates "0s completed at 12:08 PM". The system tray at the bottom shows the date and time as "12:09 PM" and the weather as "29°C Haze".