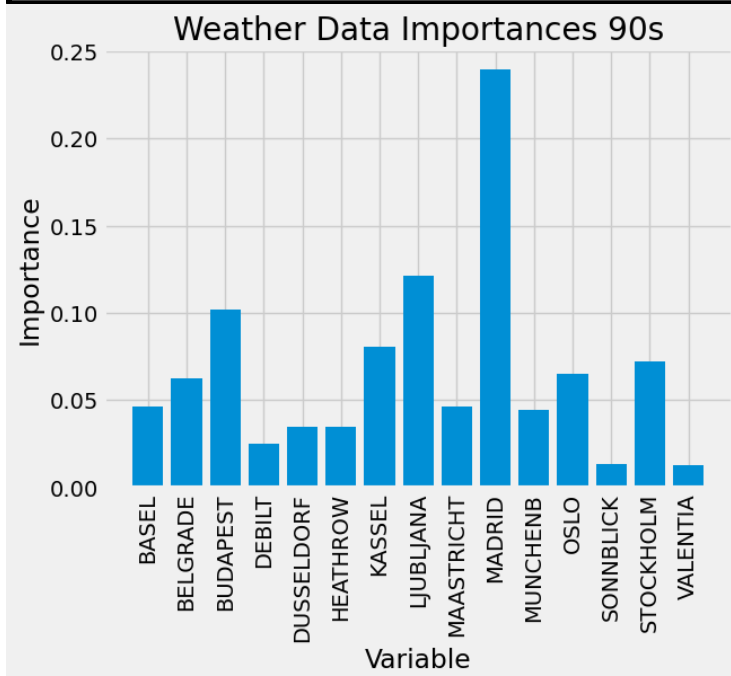
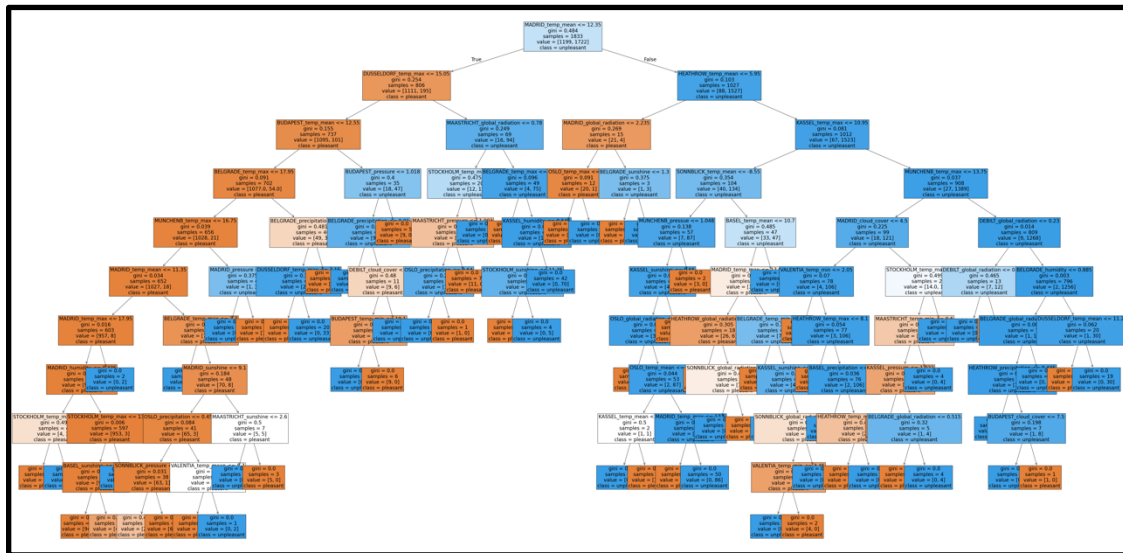


Shaquille Obomeghie

Exercise 2.3

Random. Forest & Feature Importance 1990s

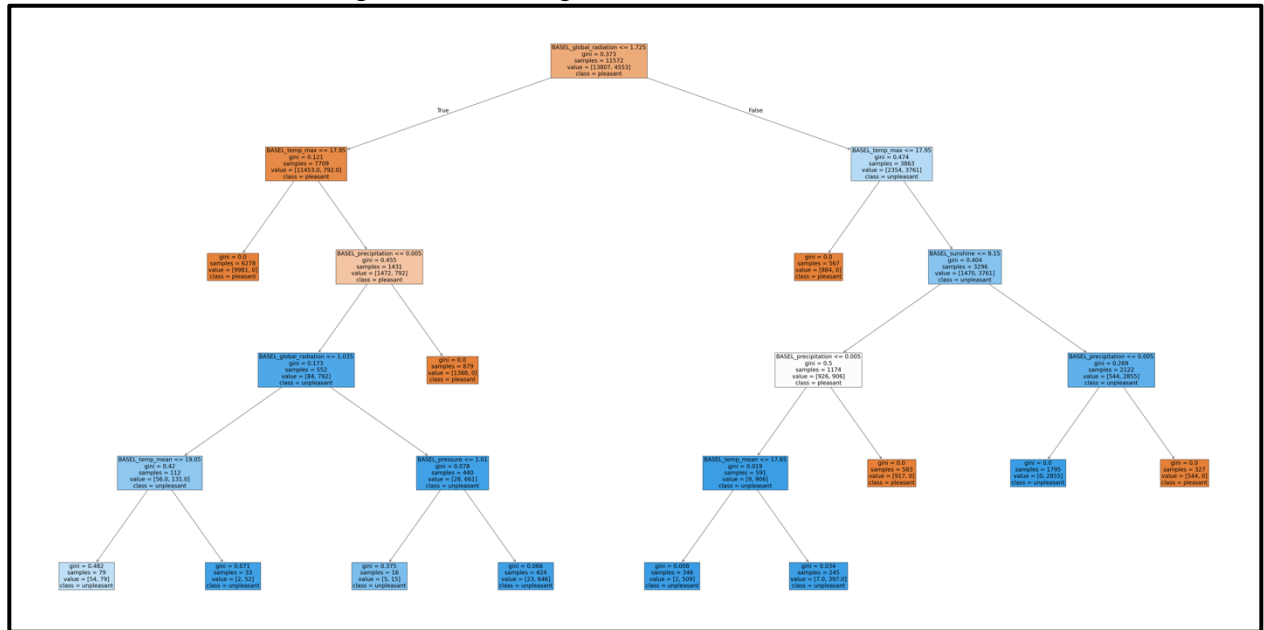
The data was reduced to a single decade. Using a $n_estimators = 100$ and. $Max_depth = 10$. The accuracy of the model came out to 96%



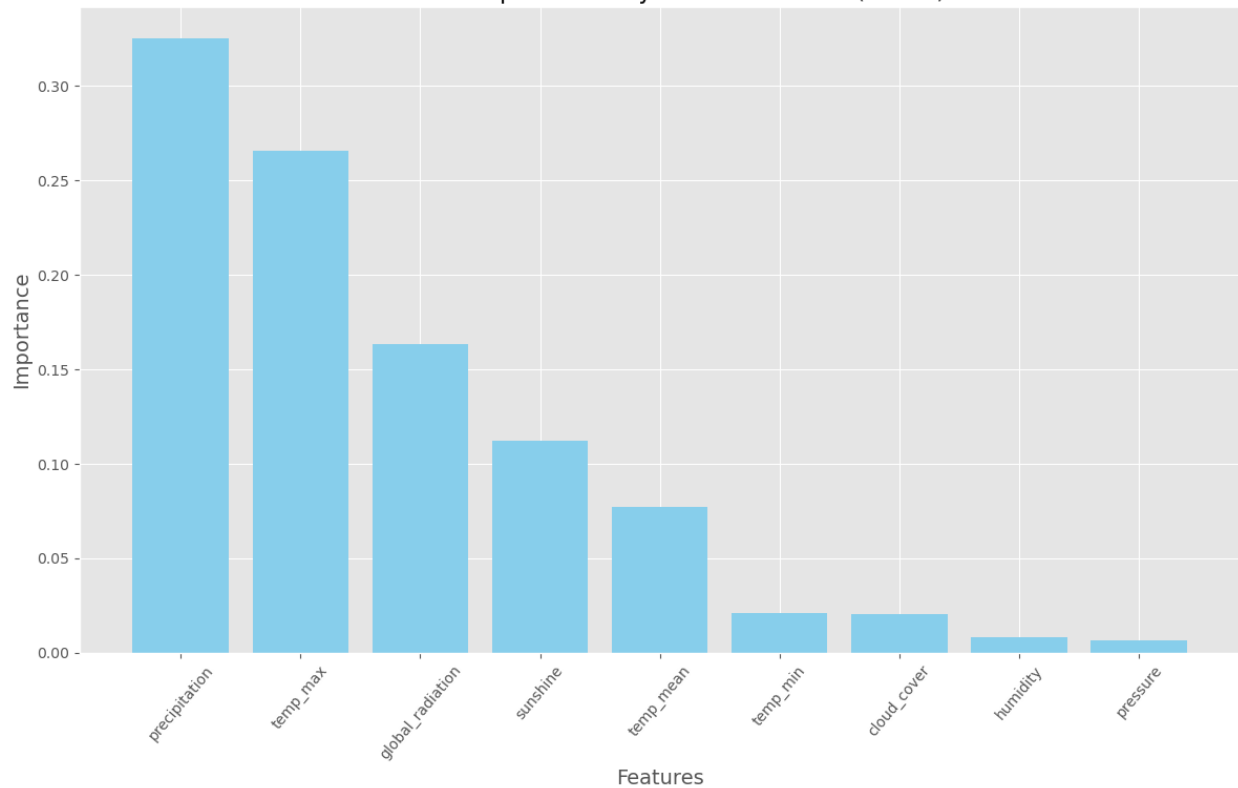
The 3 most important features (station) for the 90s: Madrid, Ljubljana and Budapest

2. Basel Random Forest

Used a `n_estimators = 100` and `Max_depth = 5`. The accuracy of the model came out to 99% which could be a sign of overfitting.

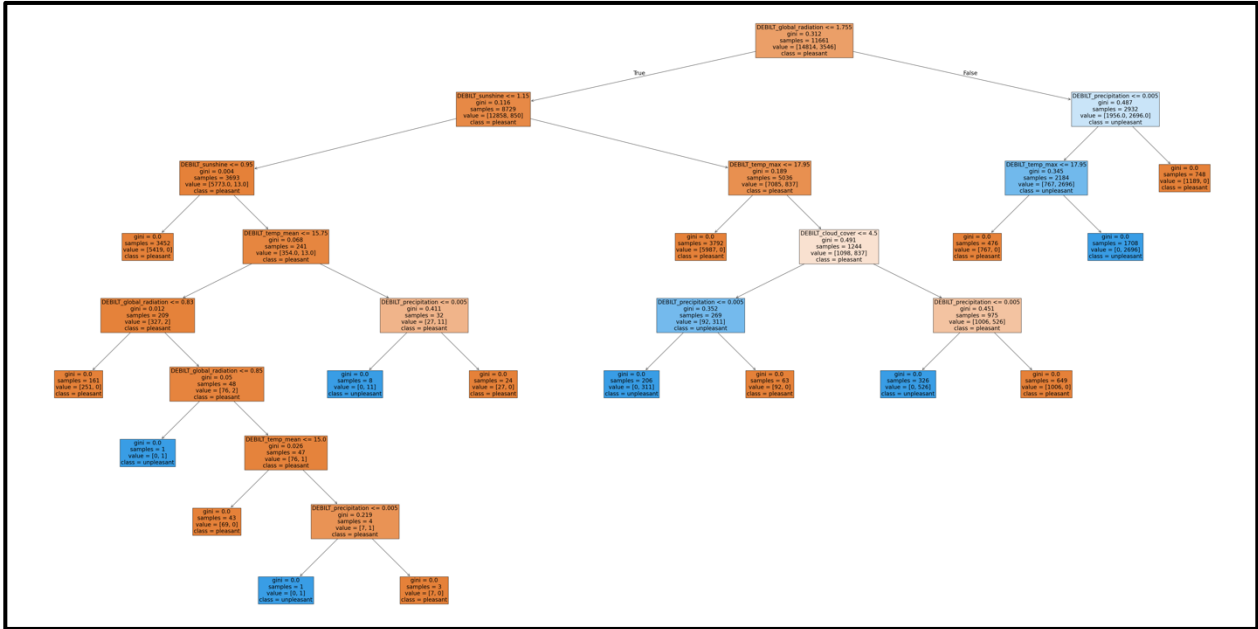


Feature Importances by Weather Station (1990s)

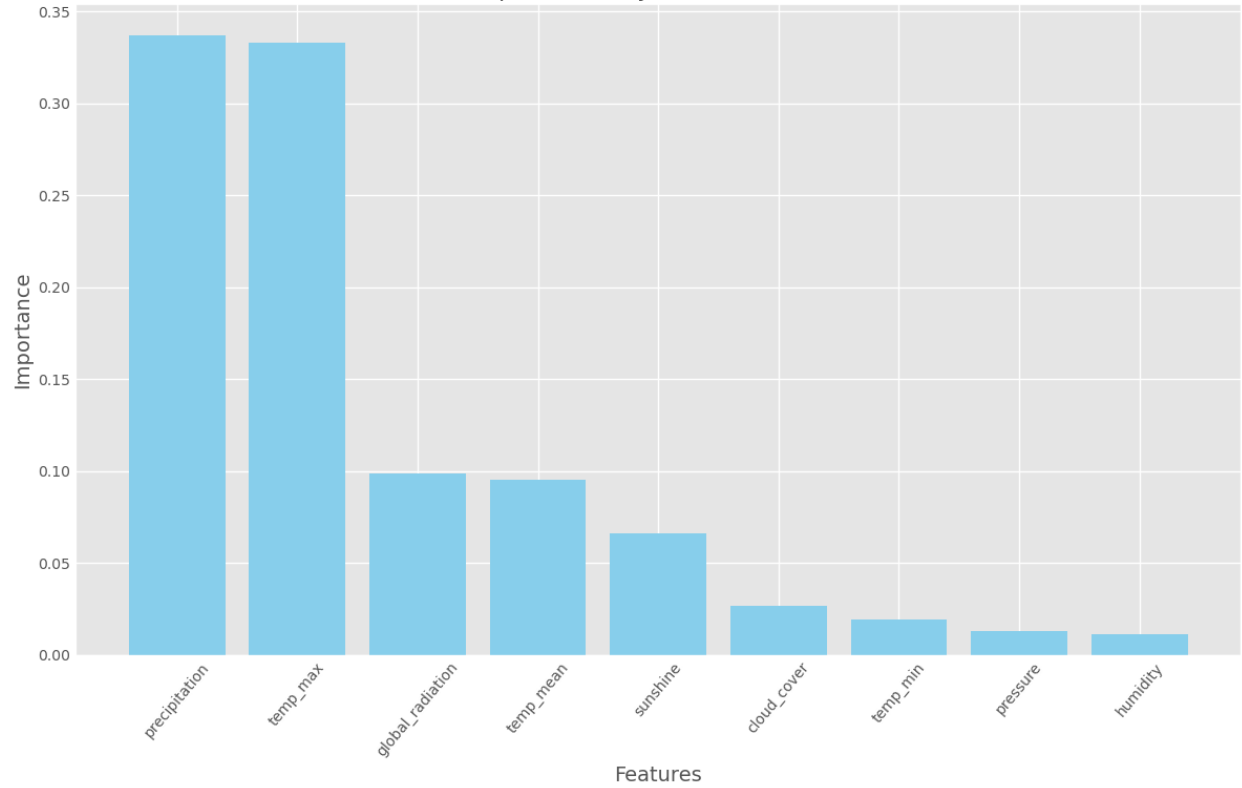


Deblit Random Forest

Ran the model Random Forest Classifier with a n_estimator = 100. With an accuracy of 81%. The image was generated with a clf.estimator of 99



Feature Importances by Weather Station (Deblit)



Ran the model Random Forest Classifier with a `n_estimator = 120`. With an accuracy of 83%. The image was generated with a `clf.estimator` of 100

