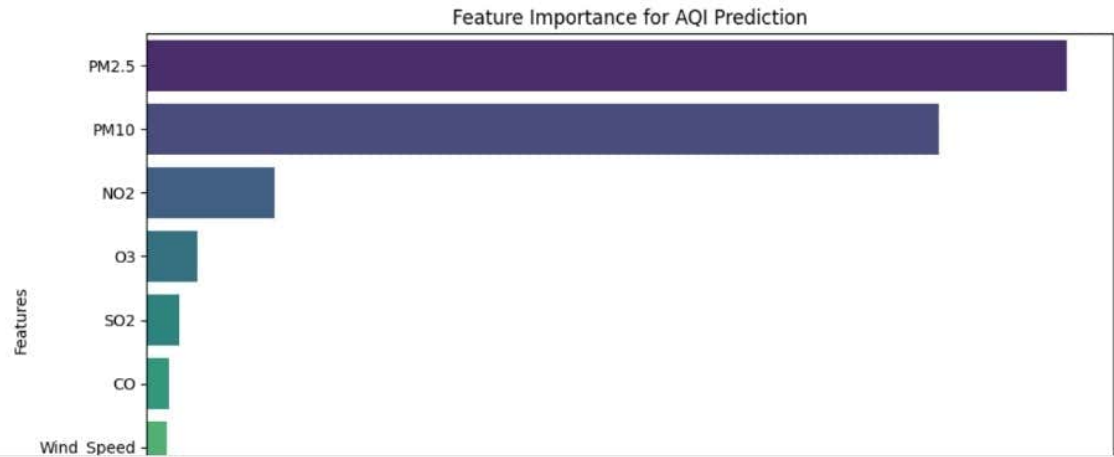
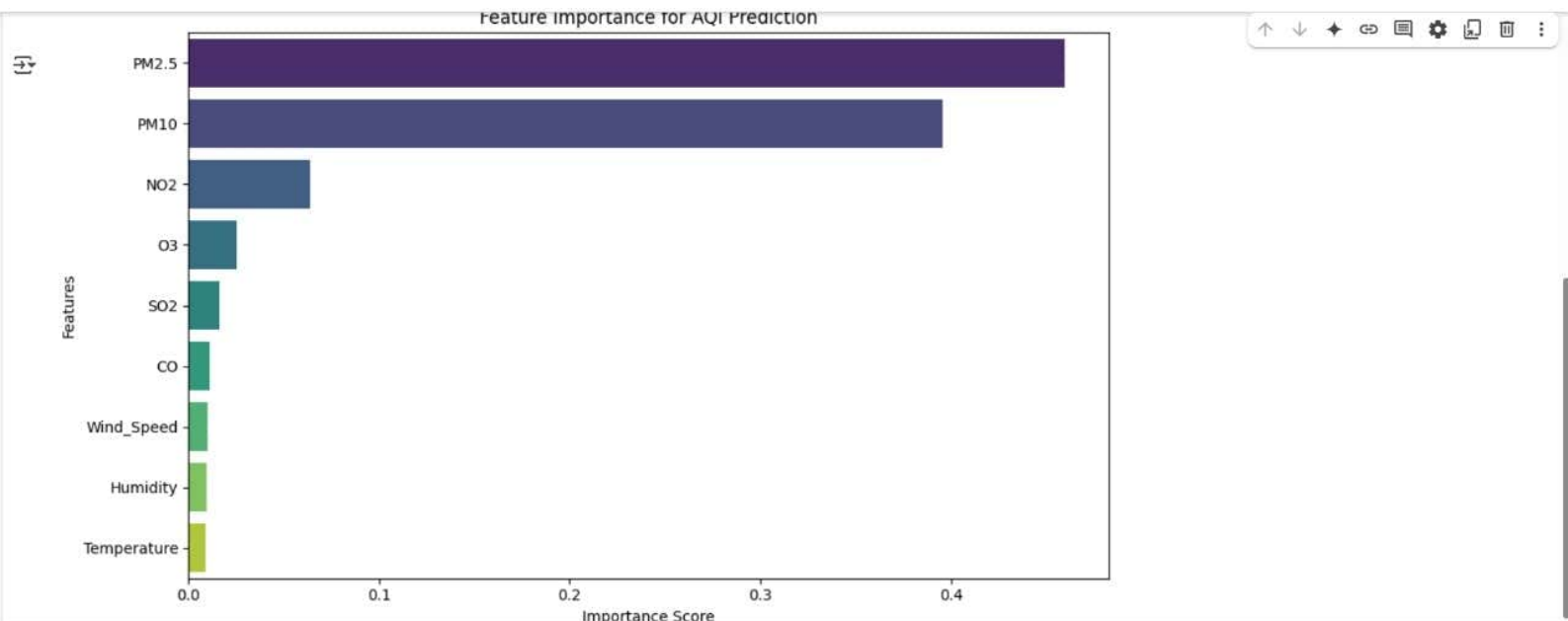


```
Model Evaluation Metrics:  
Mean Absolute Error (MAE): 9.94  
Root Mean Squared Error (RMSE): 12.38  
R-squared (R²): 0.90  
<ipython-input-1-e48b56b9e7cf>:87: FutureWarning:
```

Passing 'palette' without assigning 'hue' is deprecated and will be removed in v0.14.0. Assign the 'y' variable to 'hue' and set 'legend=False' for the same effect.

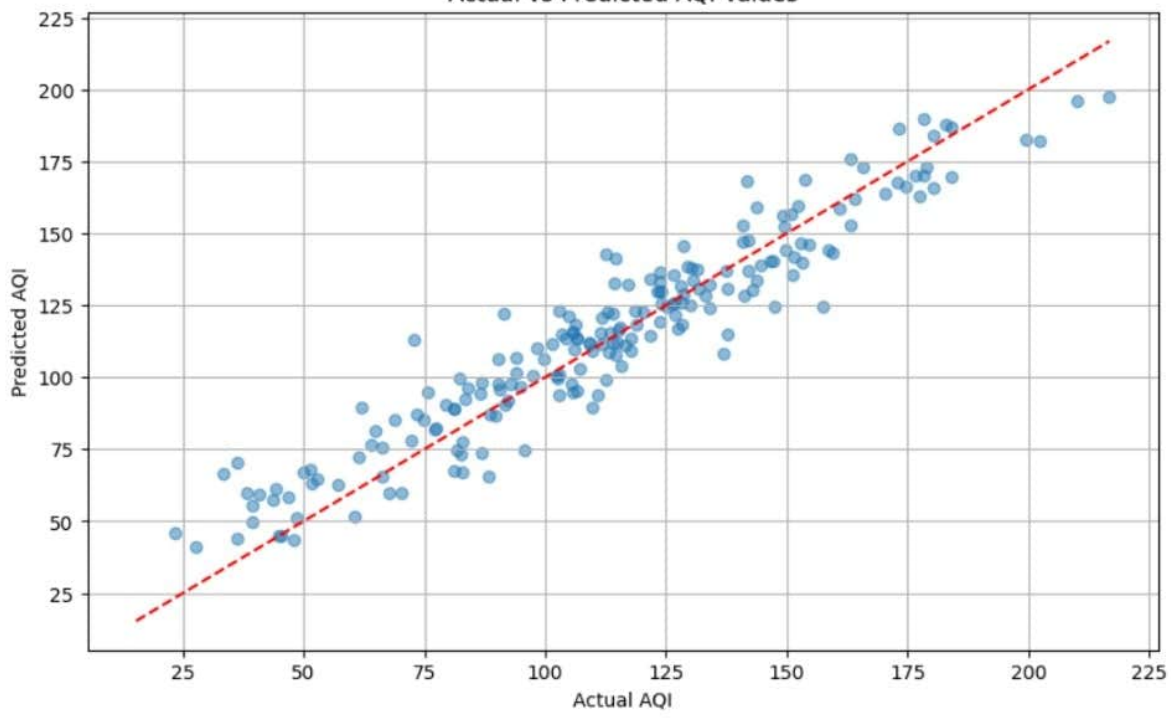
```
sns.barplot(x='Importance', y='Feature', data=feature_importance, palette='viridis')
```



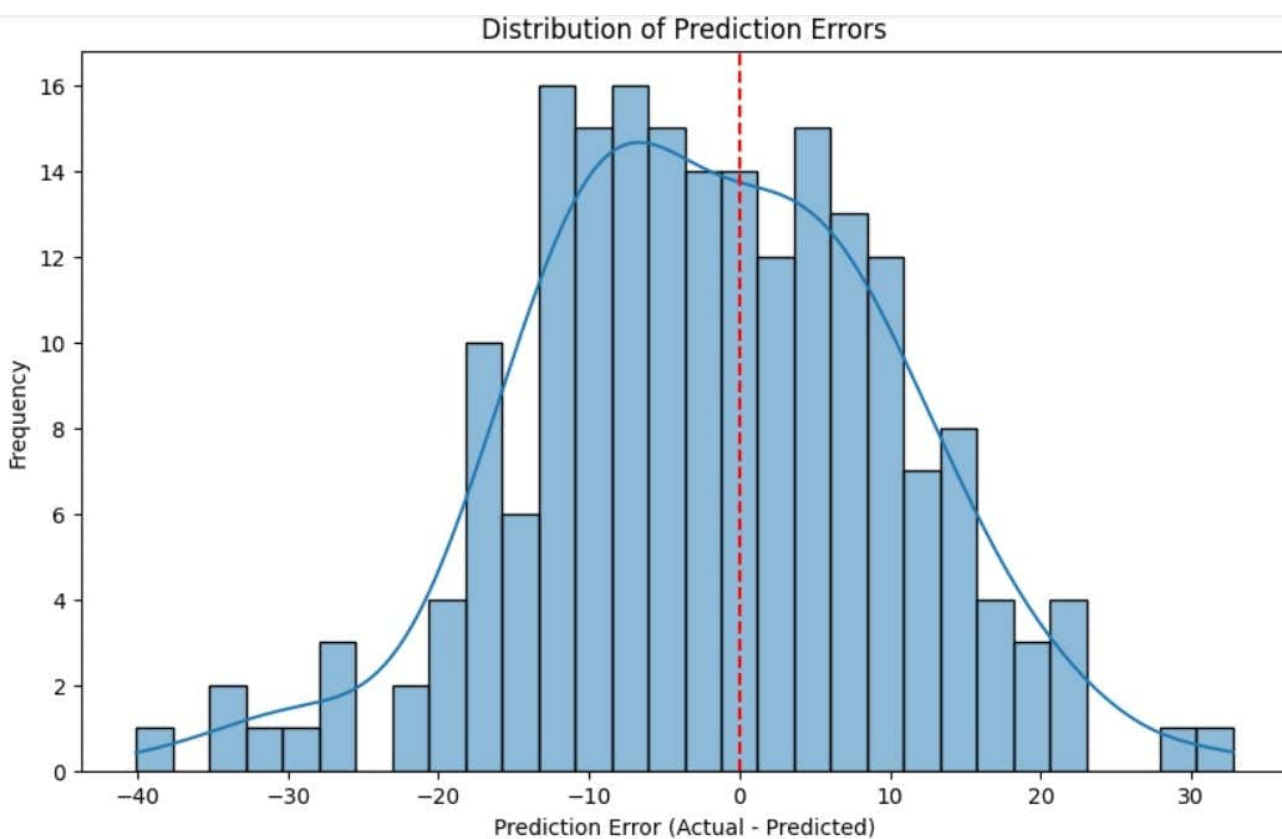


Importance Score

Actual vs Predicted AQI Values



Σ



Distribution of AQI Categories

