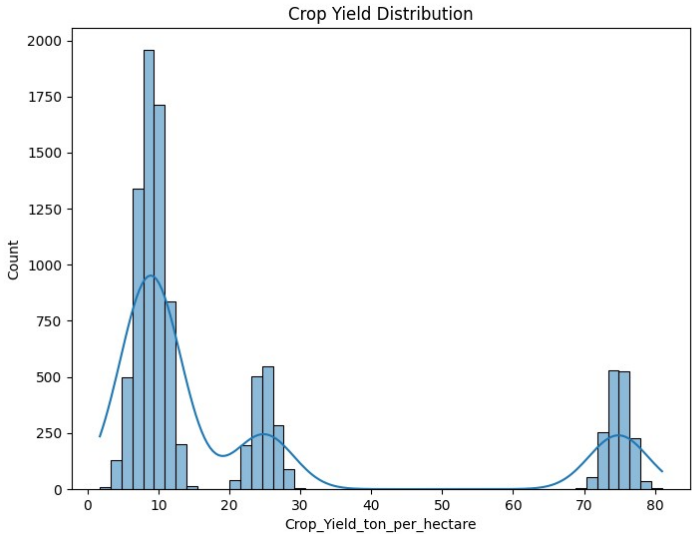


DATA NORMALIZATION AND VISUALIZATION REPORT

<p>DATA NORMALIZATION PROCEDURE (Enumerate which columns of data is normalized according to which formula.)</p>	<p>Min-Max Normalization was applied. All numerical features (N, P, K, pH, Temperature, etc.), excluding the target variable (Crop_Yield), were scaled to the [0, 1] range using Scikit-Learn's MinMaxScaler</p>
<p>DATA NORMALIZATION SCRIPT(S) DIRECTORY URL (You will upload to somewhere, e.g. onedrive)</p>	<p>https://github.com/AGovem/ENG-346-project/blob/main/Crop_Yield_prediction_ai.py</p>
<p>NORMALIZED DATA URL (You will upload to somewhere, e.g. onedrive)</p>	<p>https://github.com/AGovem/ENG-346-project/blob/main/normalized_data.txt</p>
<p>GRAPHS EXTRACTED FROM DATA (VISUALIZATION) (JPEG or PNG files generated using Matplotlib to visualize the characteristics of your data. For example a graph with X= a column in the data, Y= Another column in the data.)</p>	<div style="text-align: center;">  <p><i>Graph_Yield_Dist.png 1was generated to observe the distribution of the 'Crop_Yield_ton_per_hectare' column.</i></p> </div>

NOTE: Data normalization is a pre-processing method that resizes the range of feature values to a specific scale, usually between 0 and 1. It is a feature scaling technique used to transform data into a standard range.