Ranked Crops Crush Locations

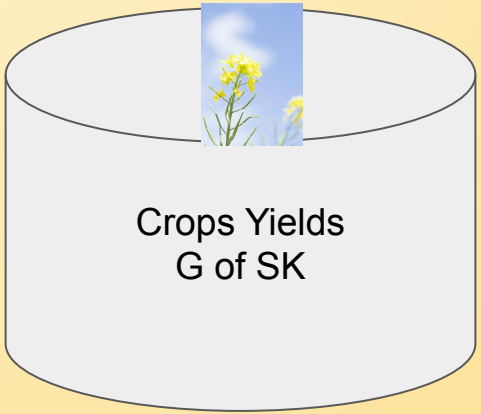
Using Clustering Crop Yield Analysis - RM Level

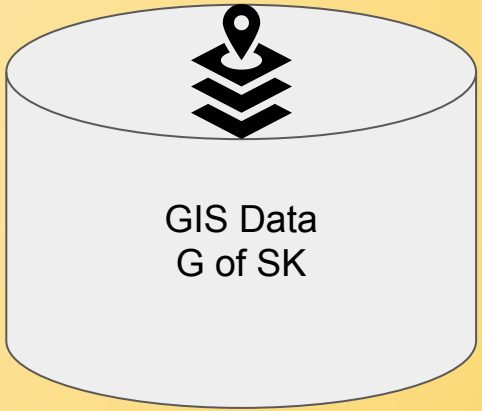
Ana Barreto
Cohort 6 Stream 3
June 2024

palette skills

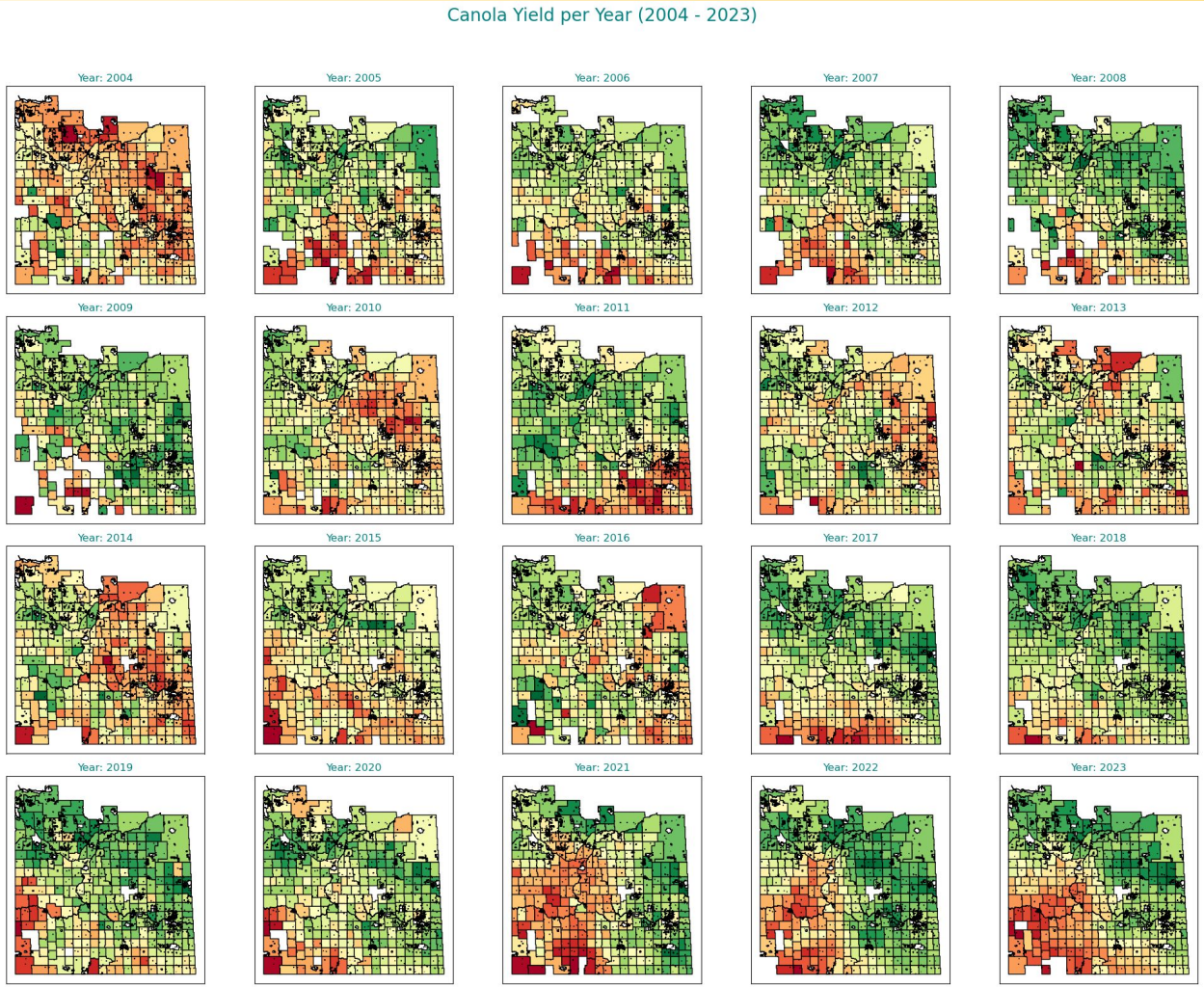
DATA

Data Sources: SK website: Government of Saskatchewan https://geohub.saskatchewan.ca/



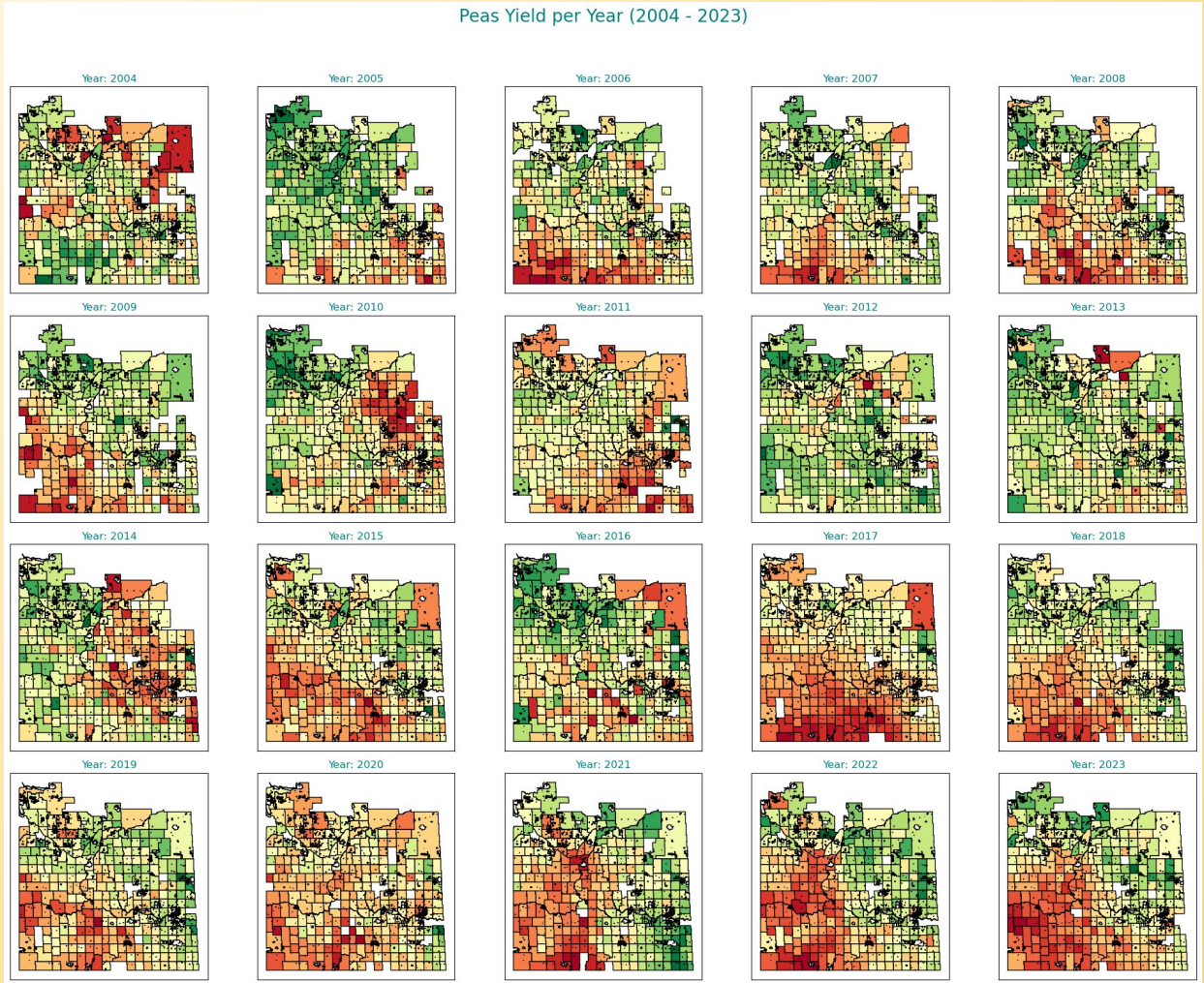


palette skills



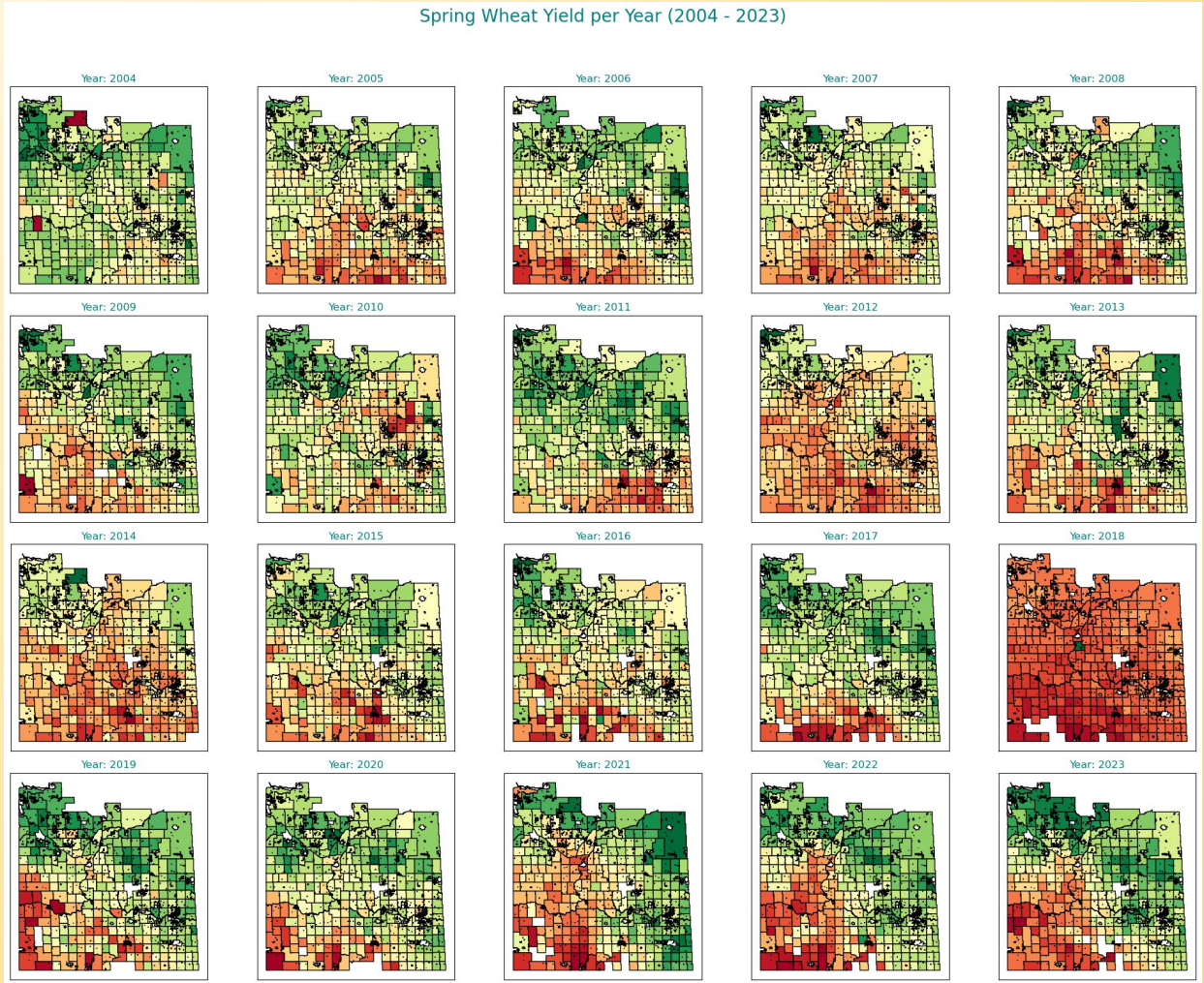
Exploratory Data Analysis Canola

palette skills



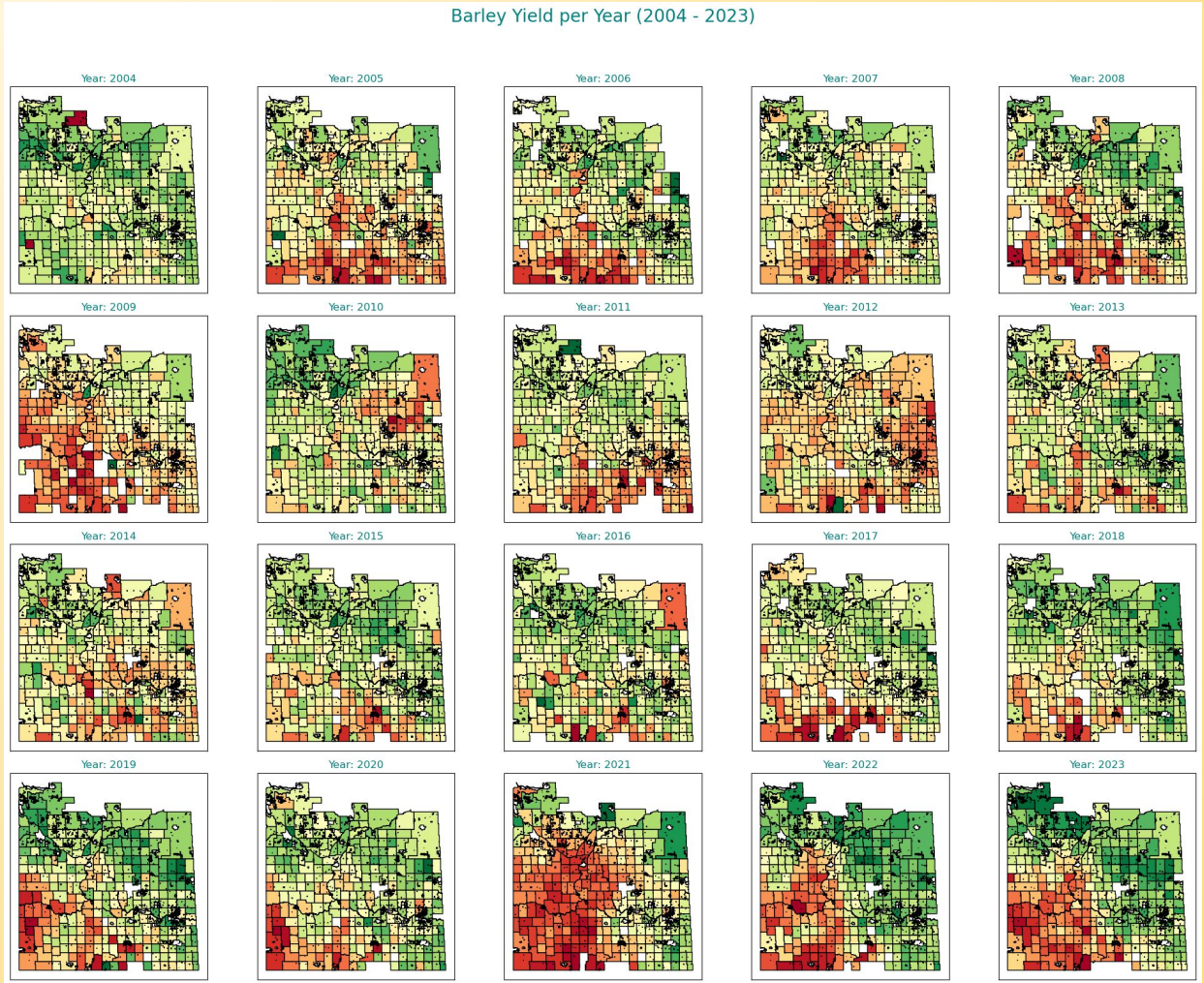
Exploratory Data Analysis Peas

palette skills



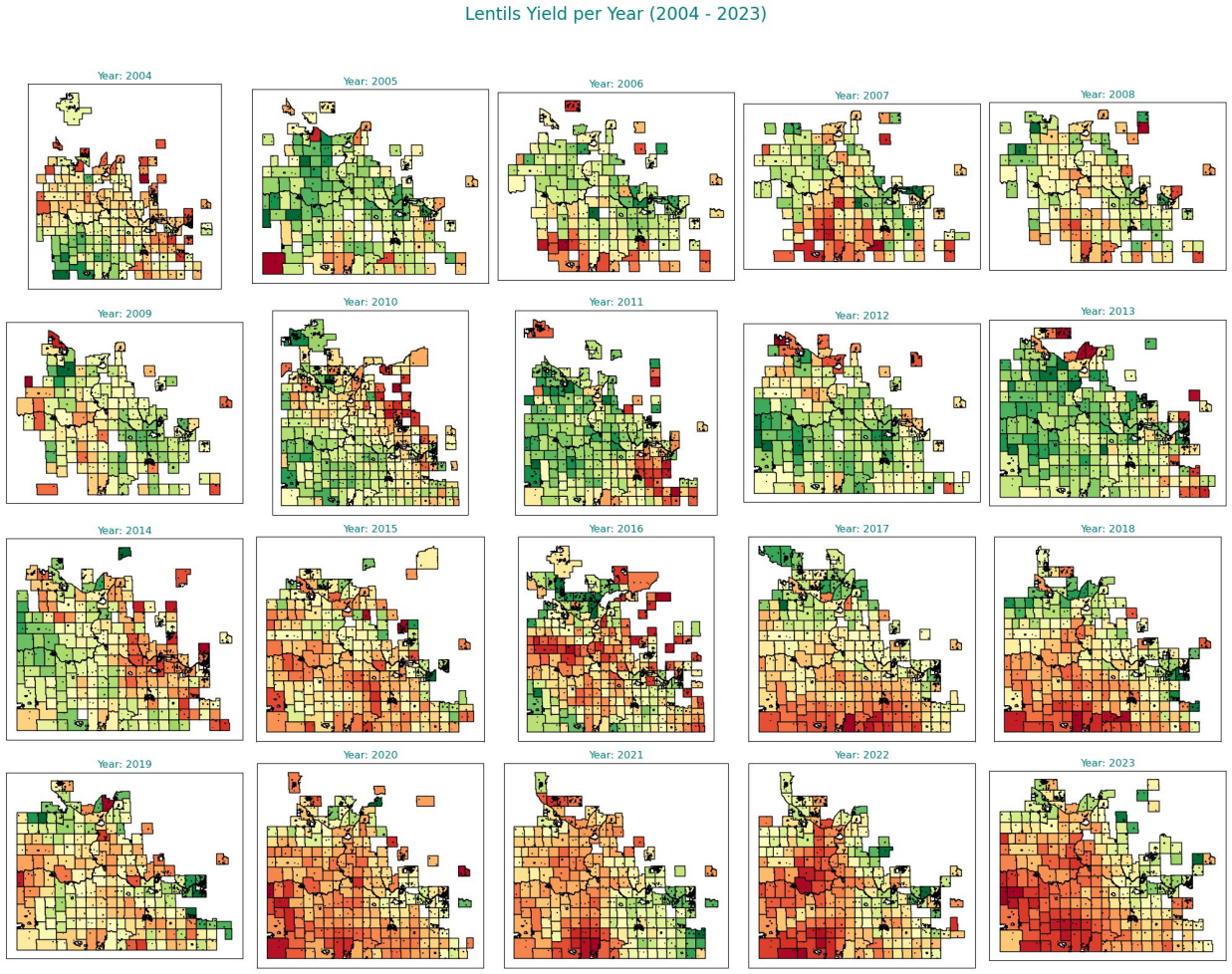
Exploratory Data Analysis Spring Wheat

palette skills



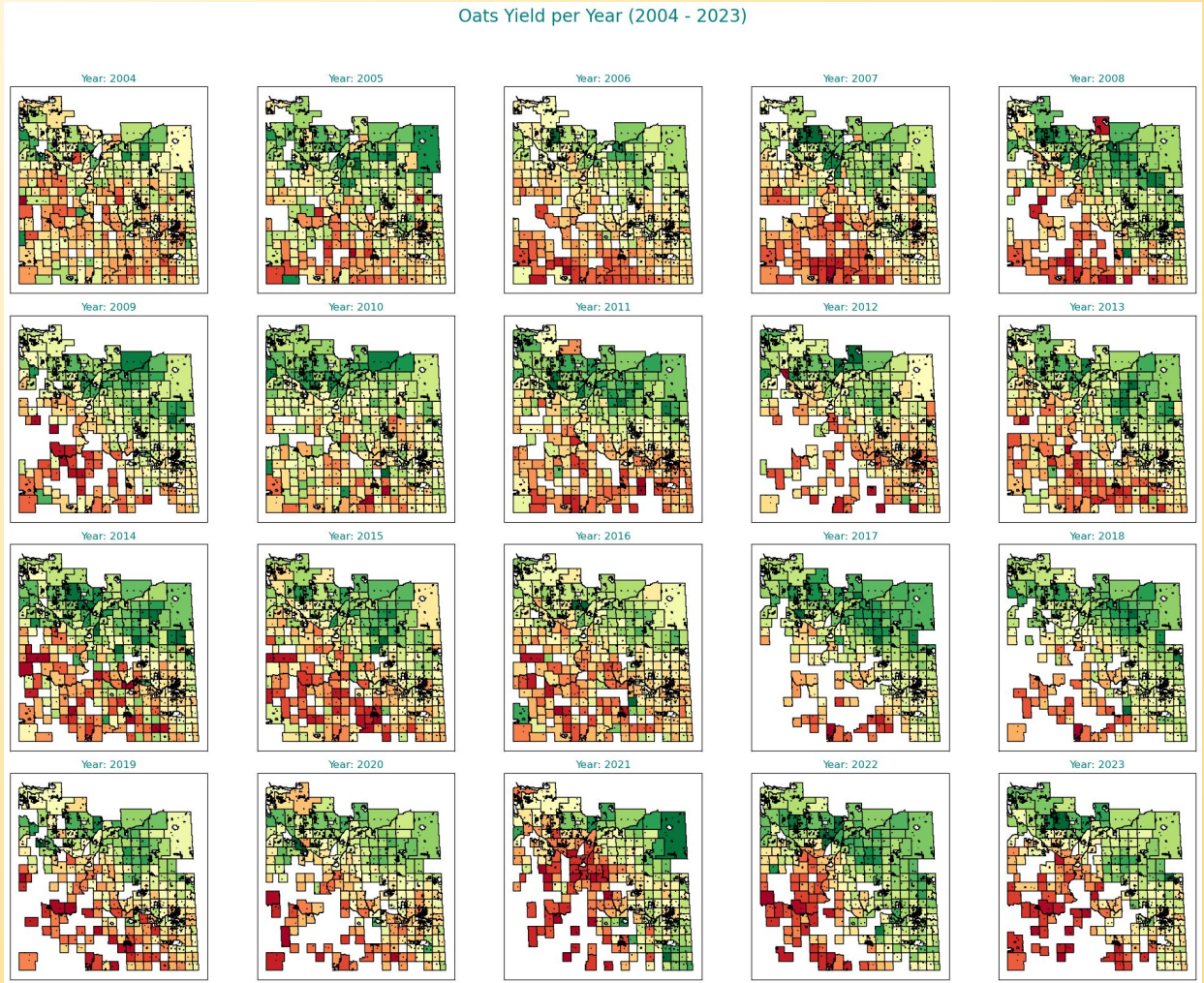
Exploratory Data Analysis Barley

palette skills



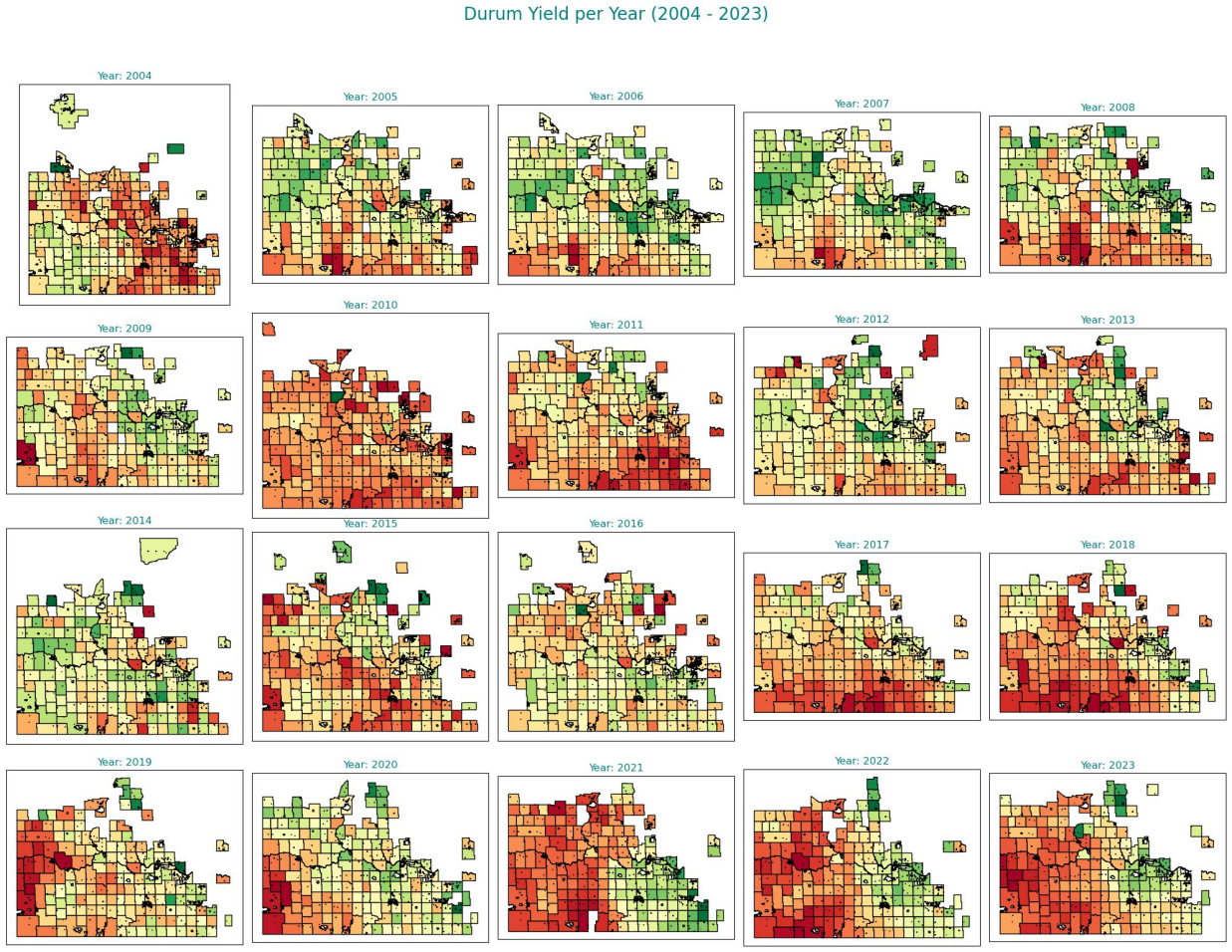
Exploratory Data Analysis Lentils

palette skills



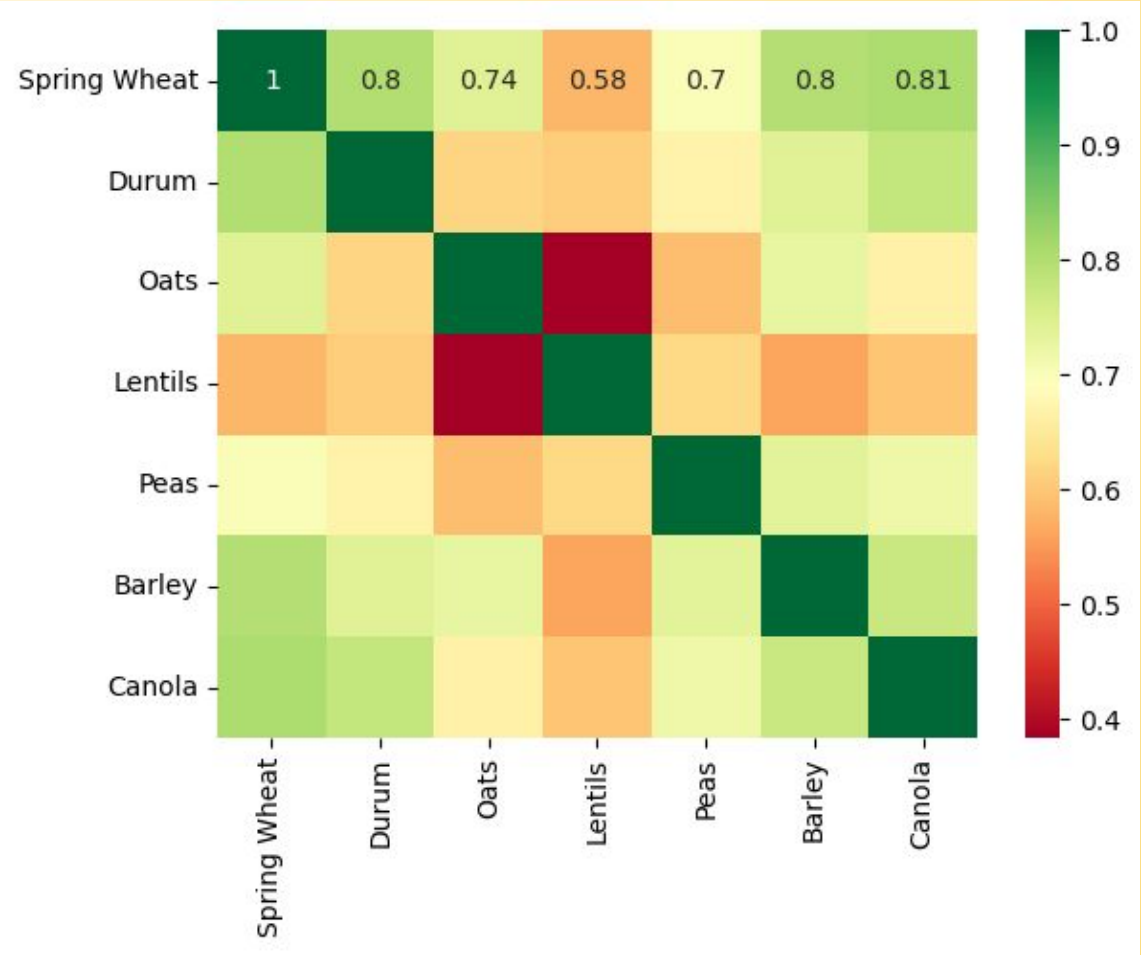
Exploratory Data Analysis Oats

palette skills



Exploratory Data Analysis Durum

palette skills



Pearson Correlation Analysis

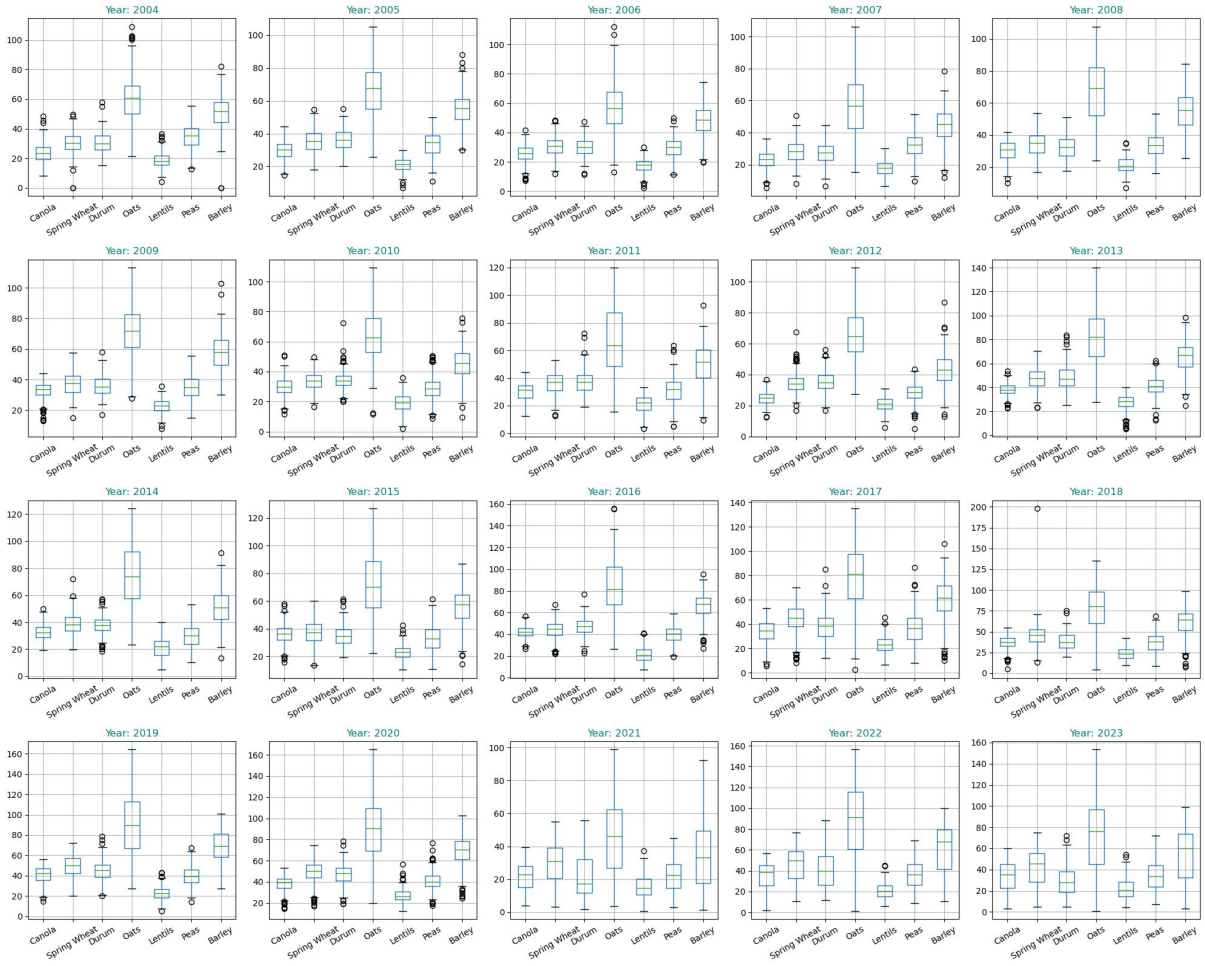
>0.2 slight correlation

>0.4 Moderate correlation

> 0.6 High

> 0.8 Very correlation

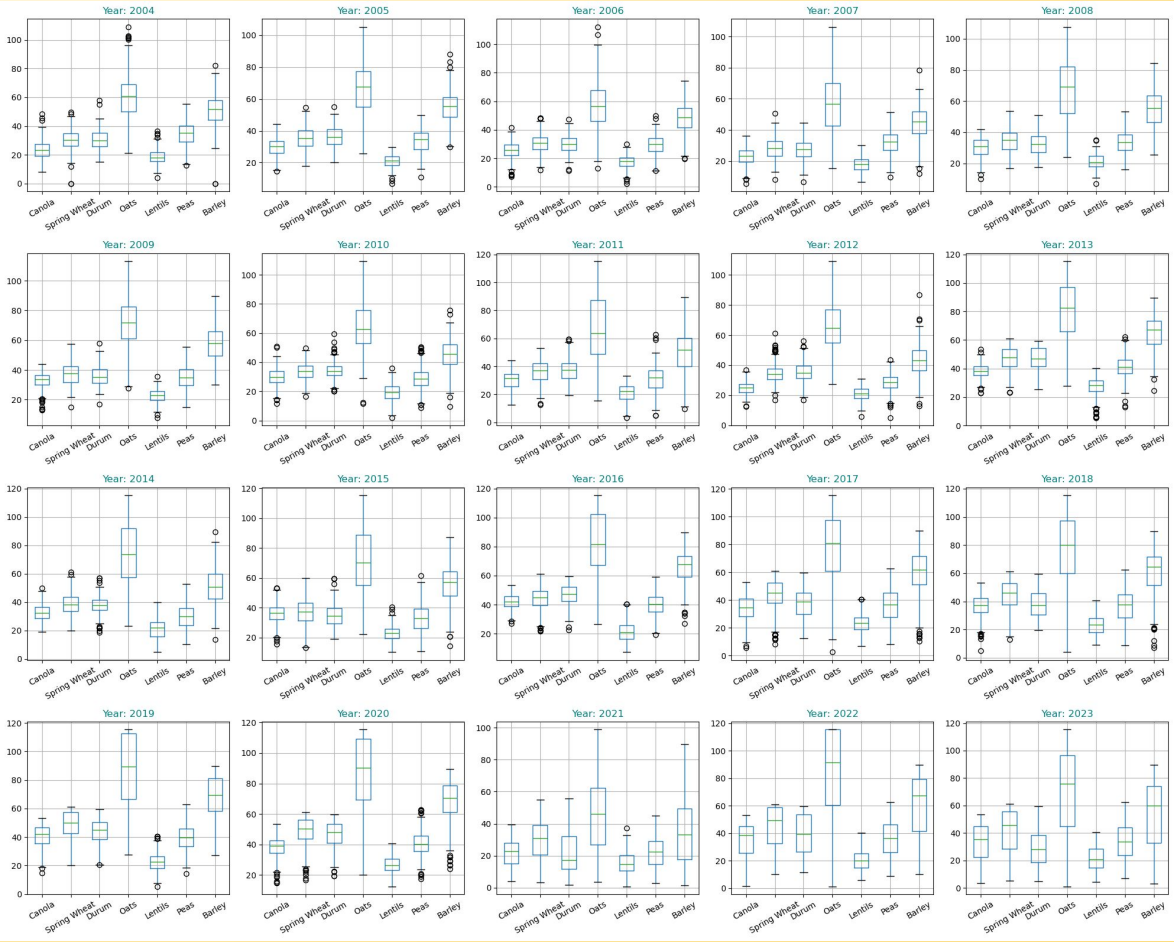
palette skills



OUTLIERS

Before treating

palette skills

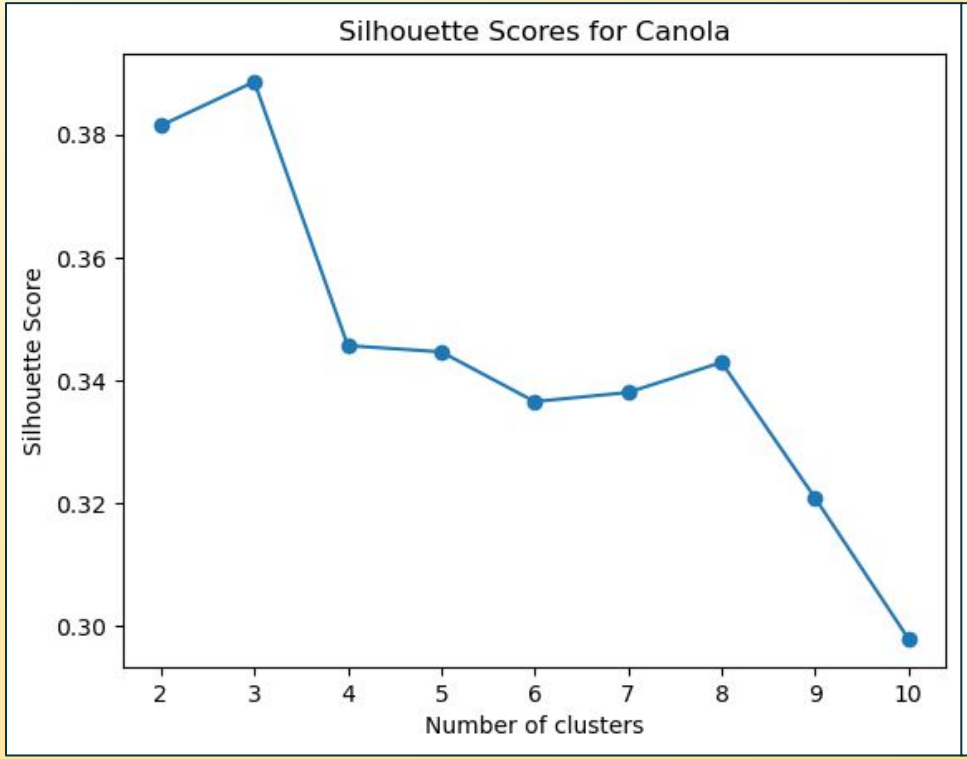


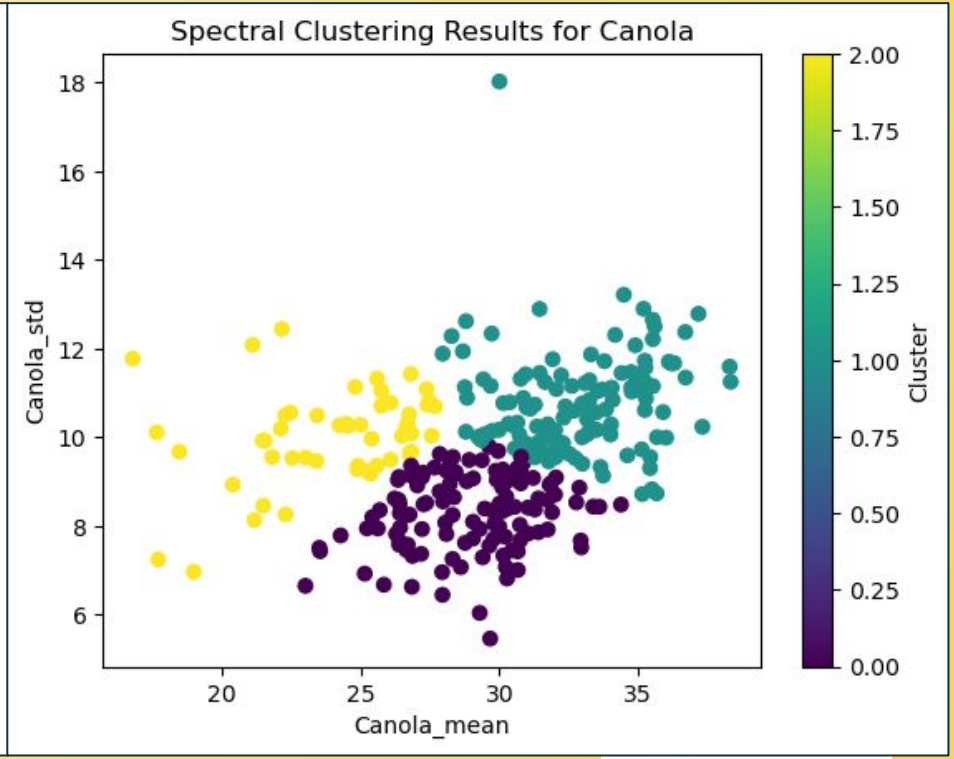
OUTLIERS

After treating

palette skills

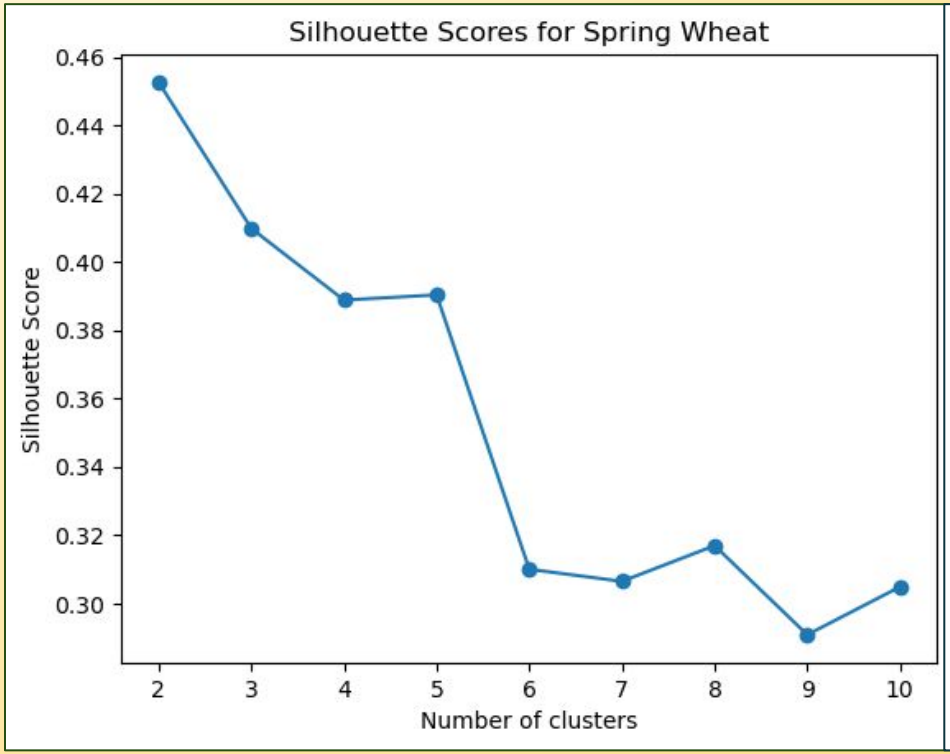
ML Spectral Clustering - Canola

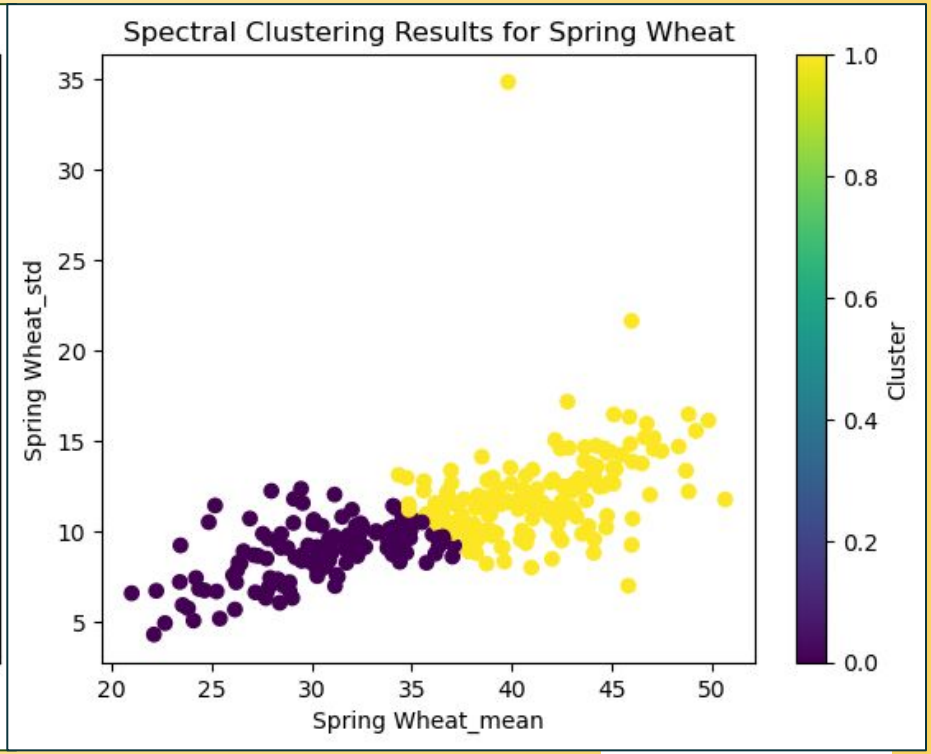




palette skills

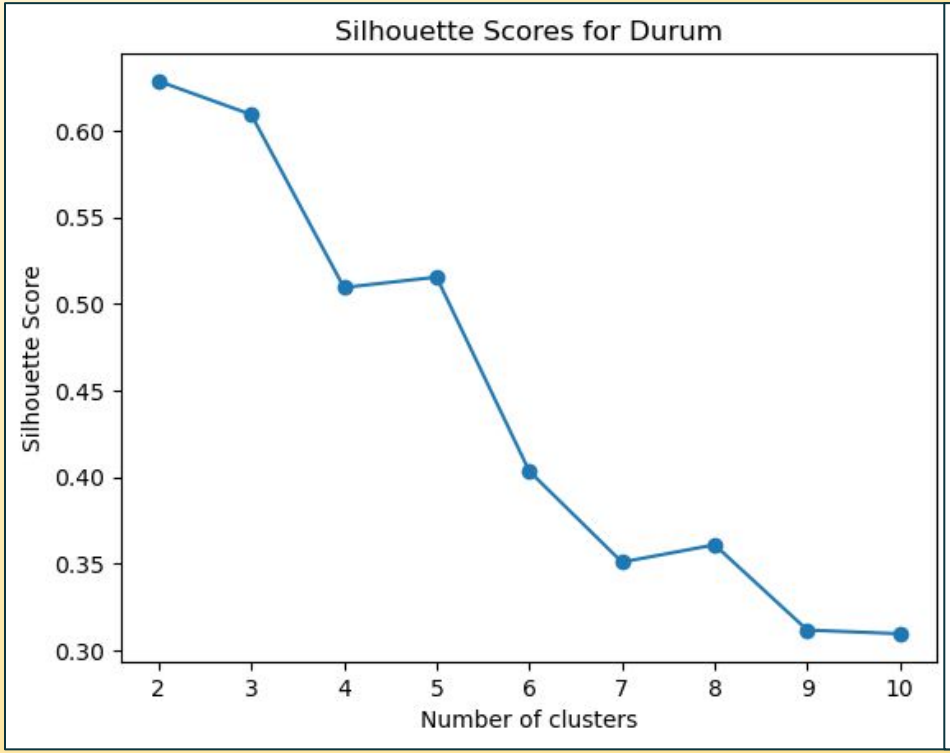
ML Spectral Clustering - Spring Wheat

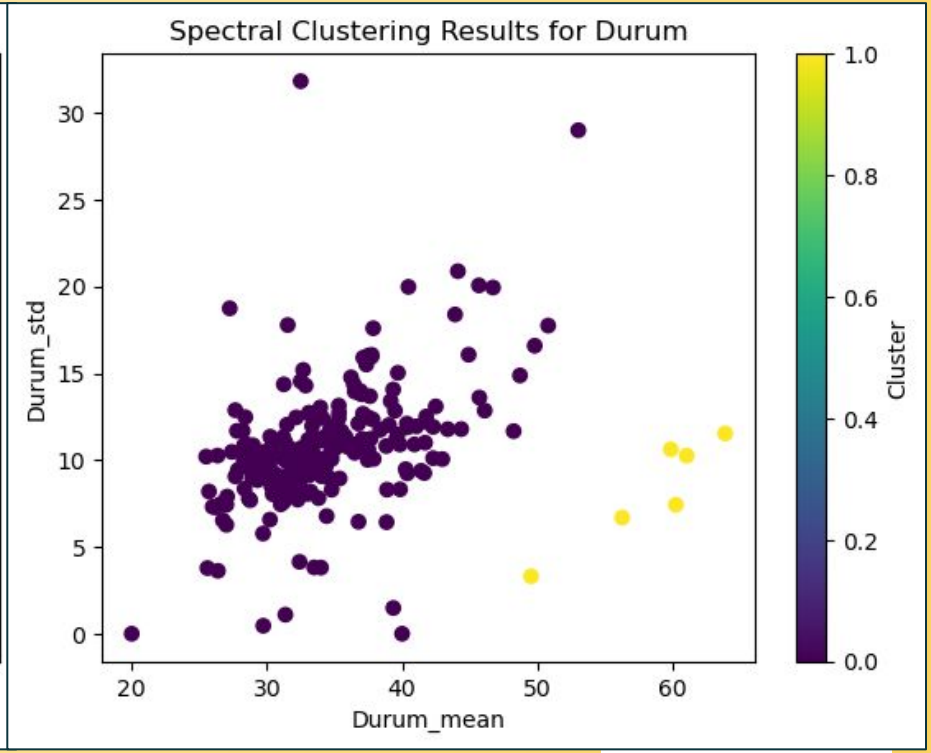




palette skills

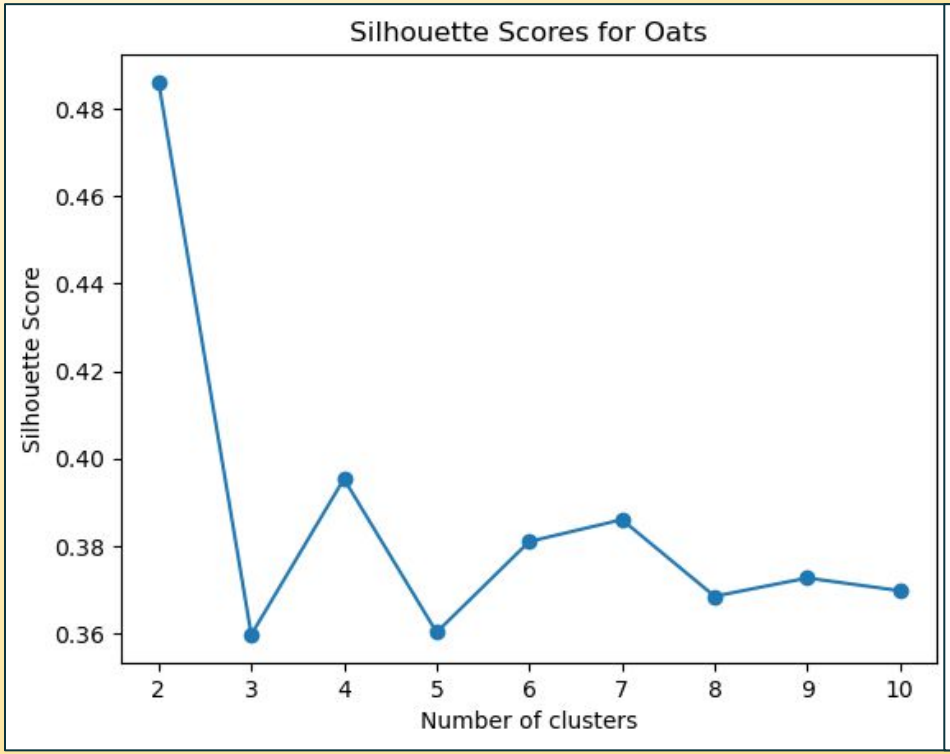
ML Spectral Clustering - Durum

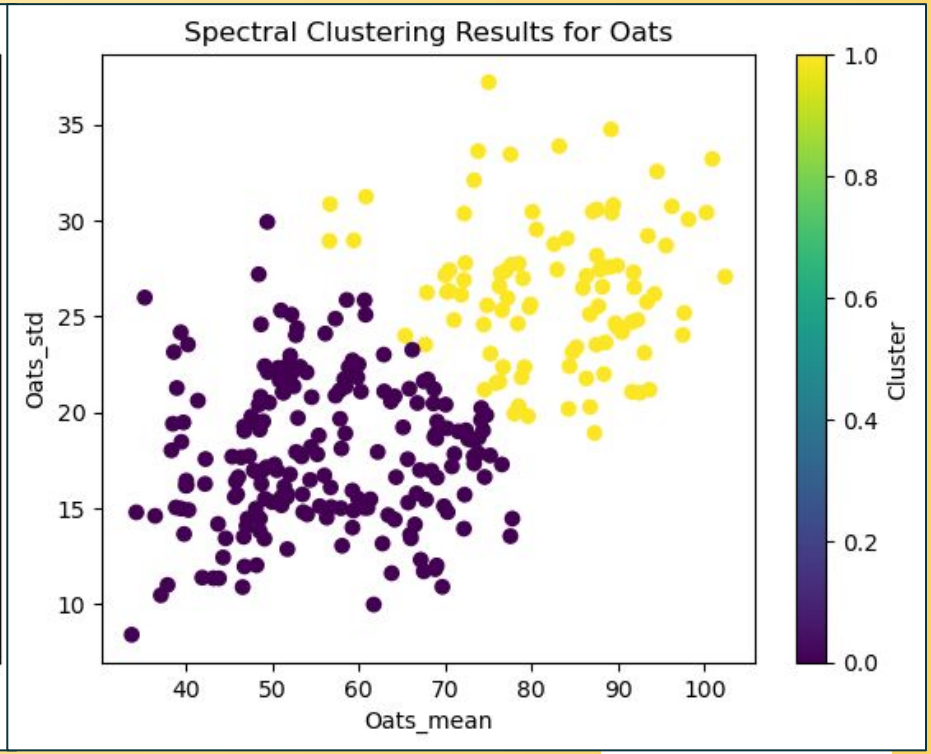




palette skills

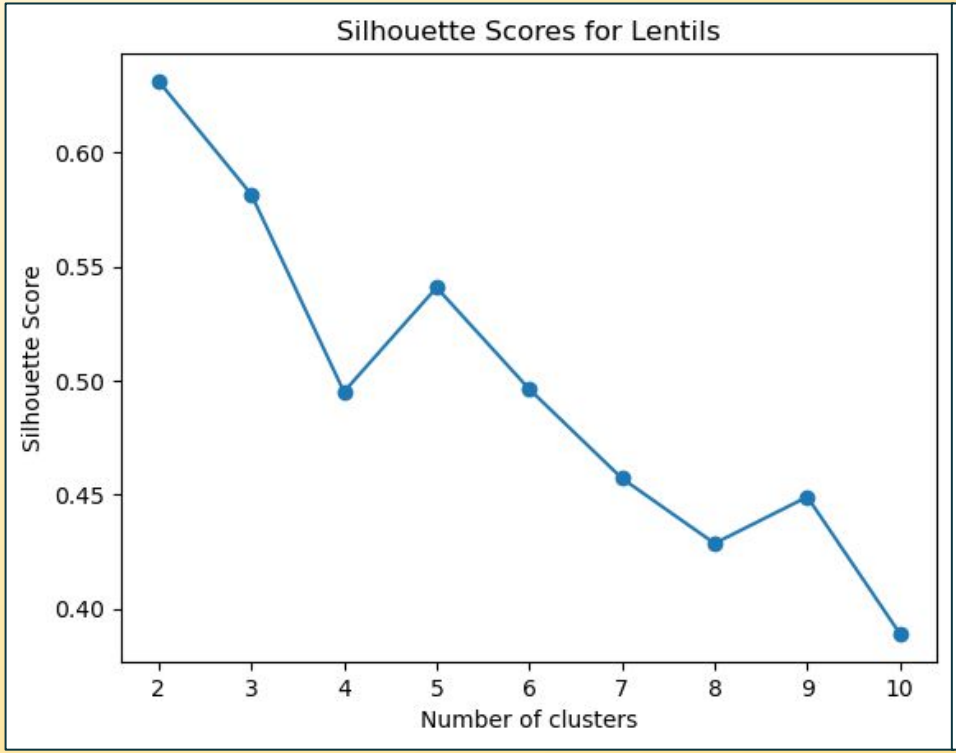
ML Spectral Clustering - Oats

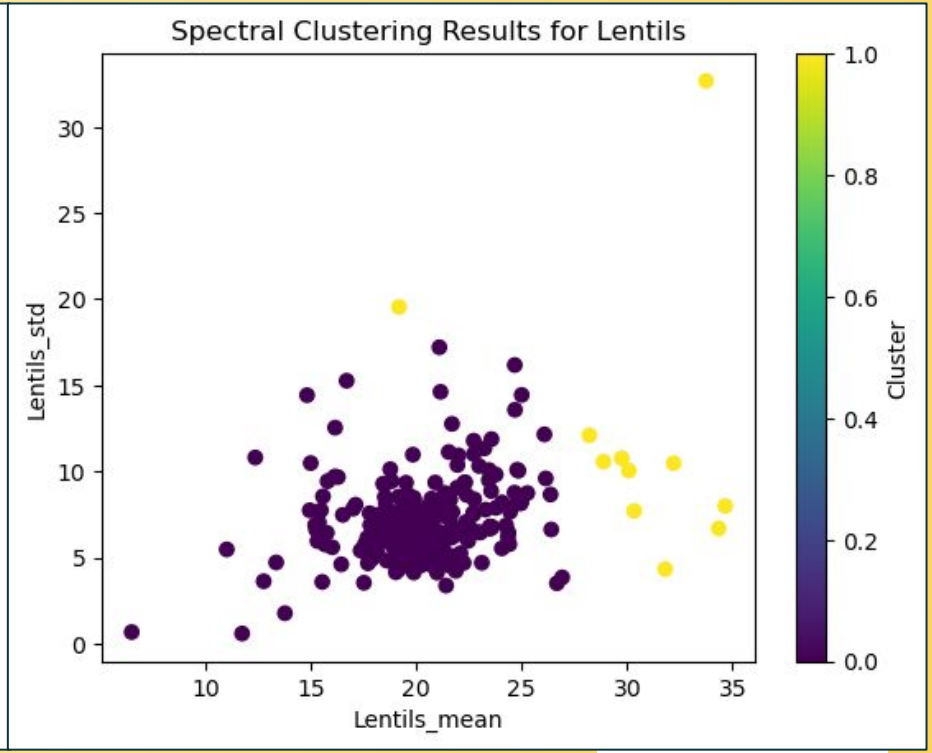




palette skills

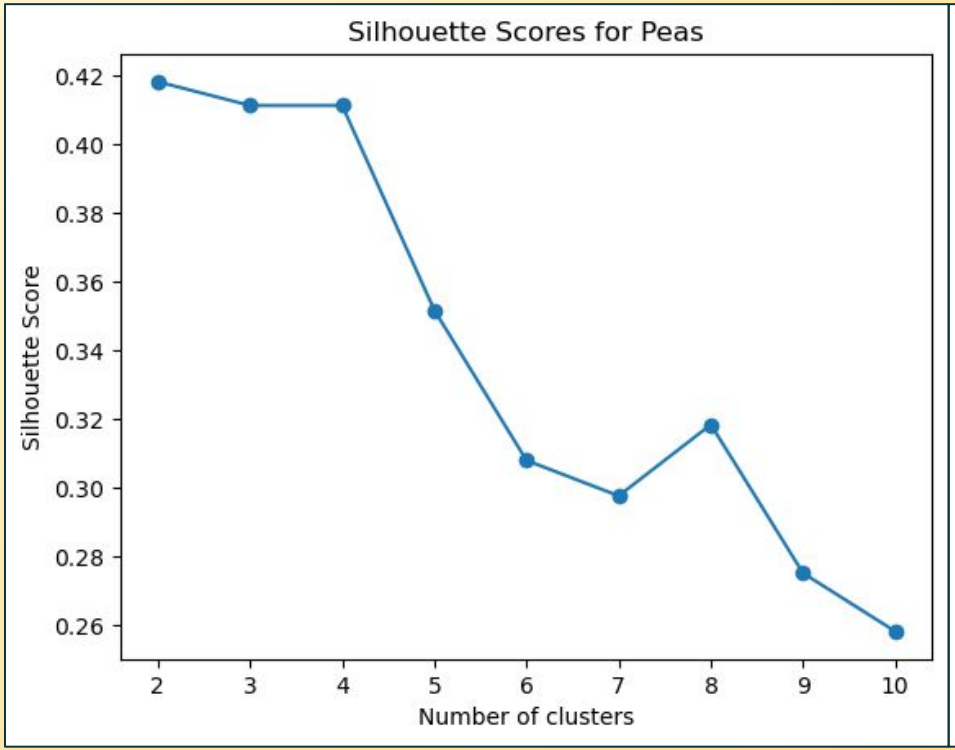
ML Spectral Clustering - Lentils

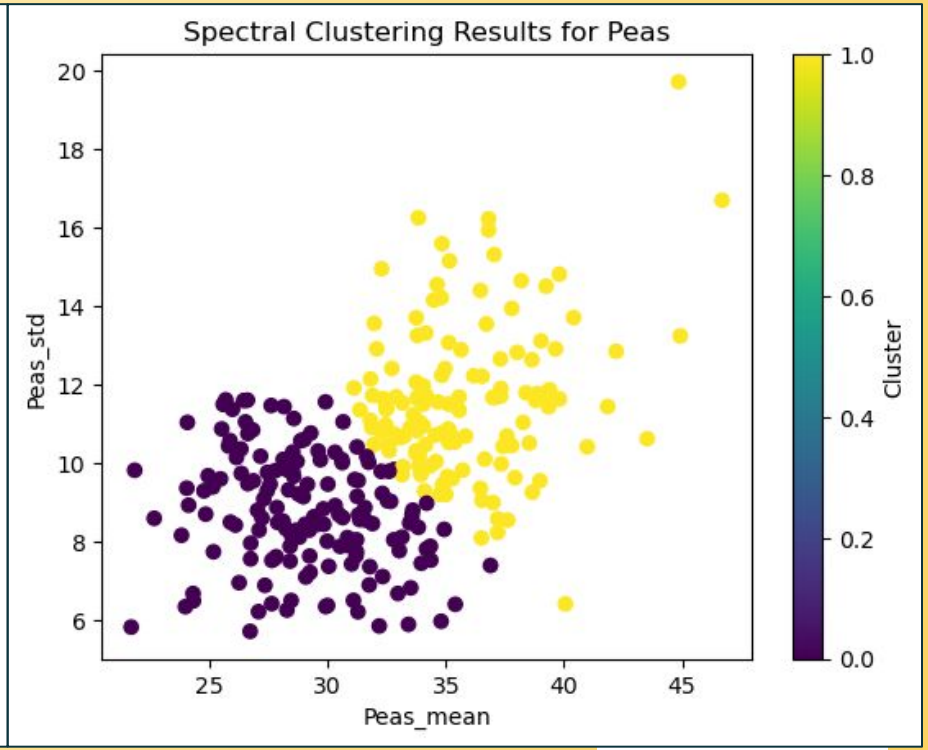




palette skills

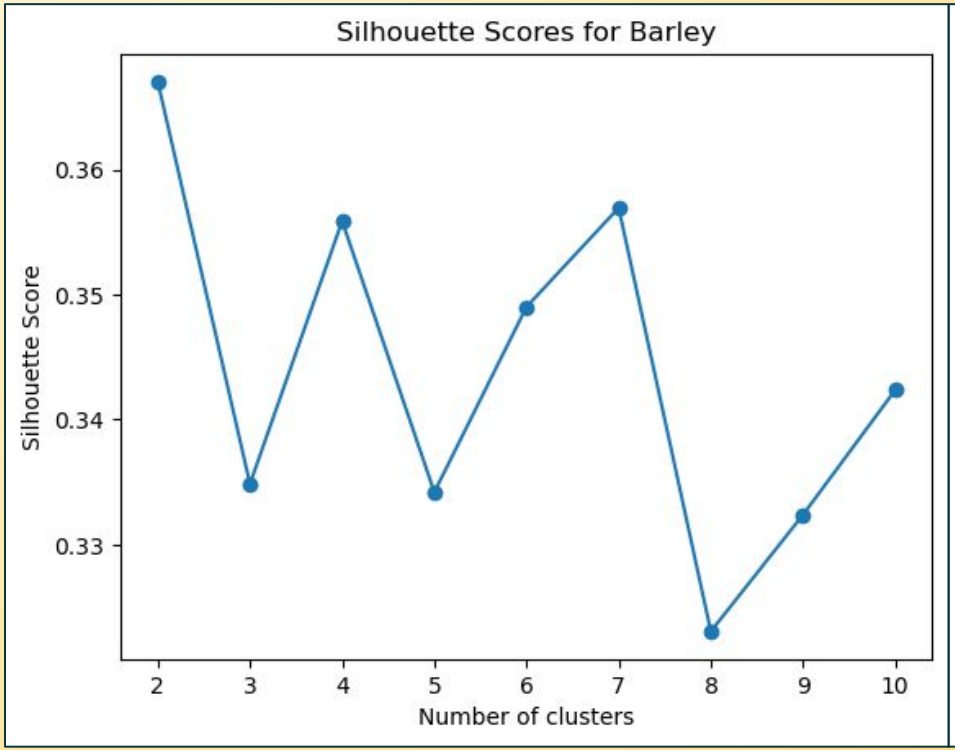
ML Spectral Clustering - Peas

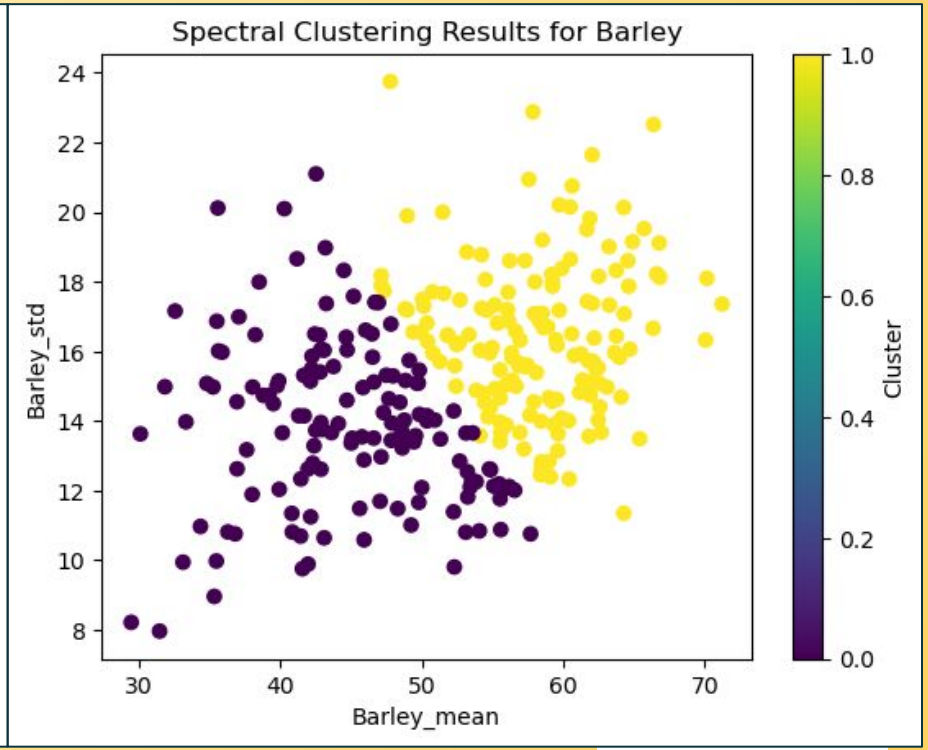




palette skills

ML Spectral Clustering - Barley





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