

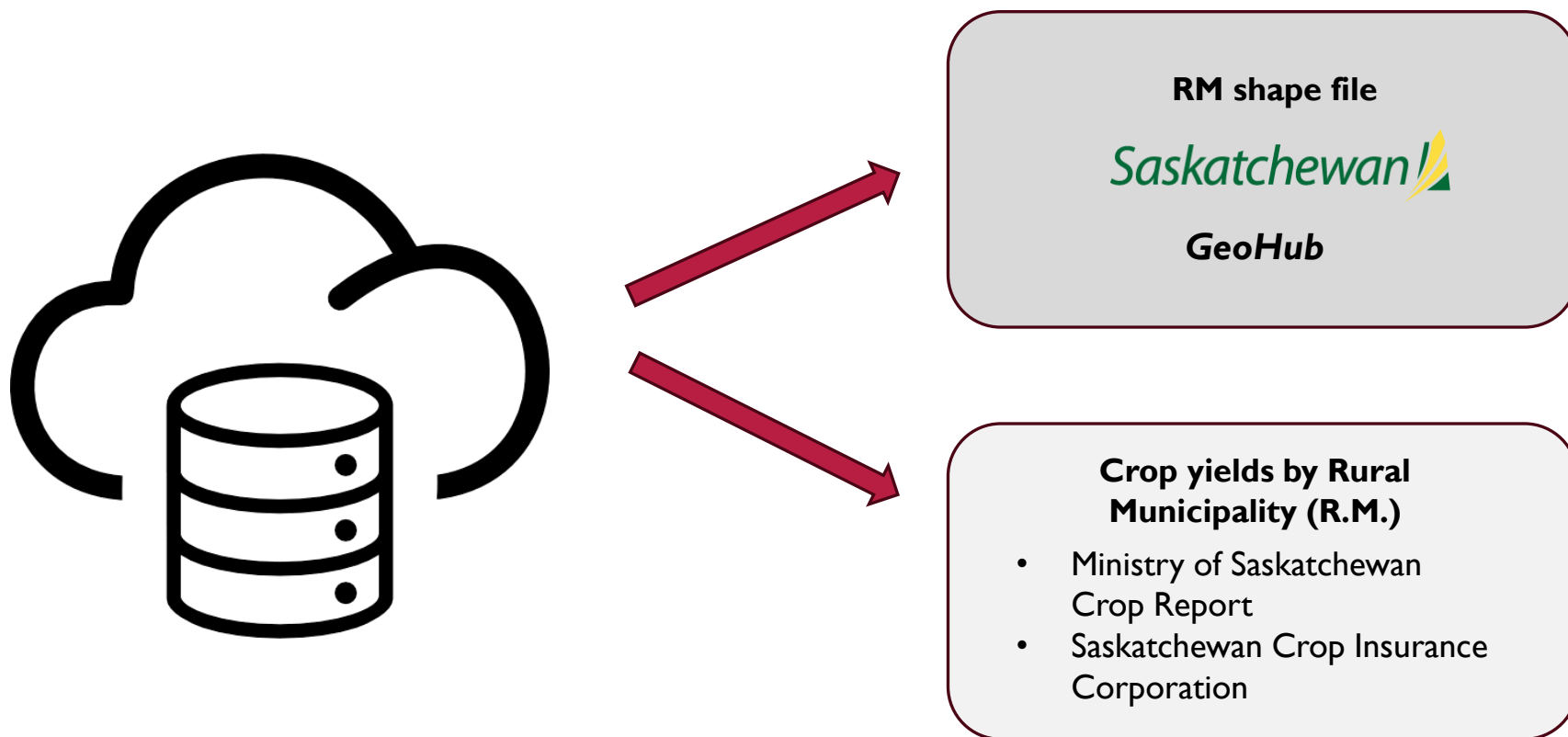


# CANOLA CROP YIELD CLUSTERING

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NALANTHA WANASUNDARA

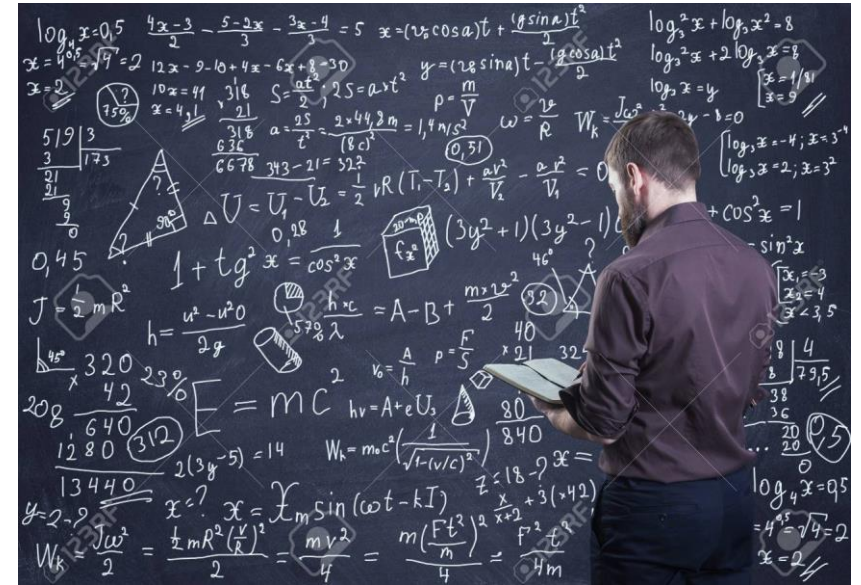
# DATA COLLECTION



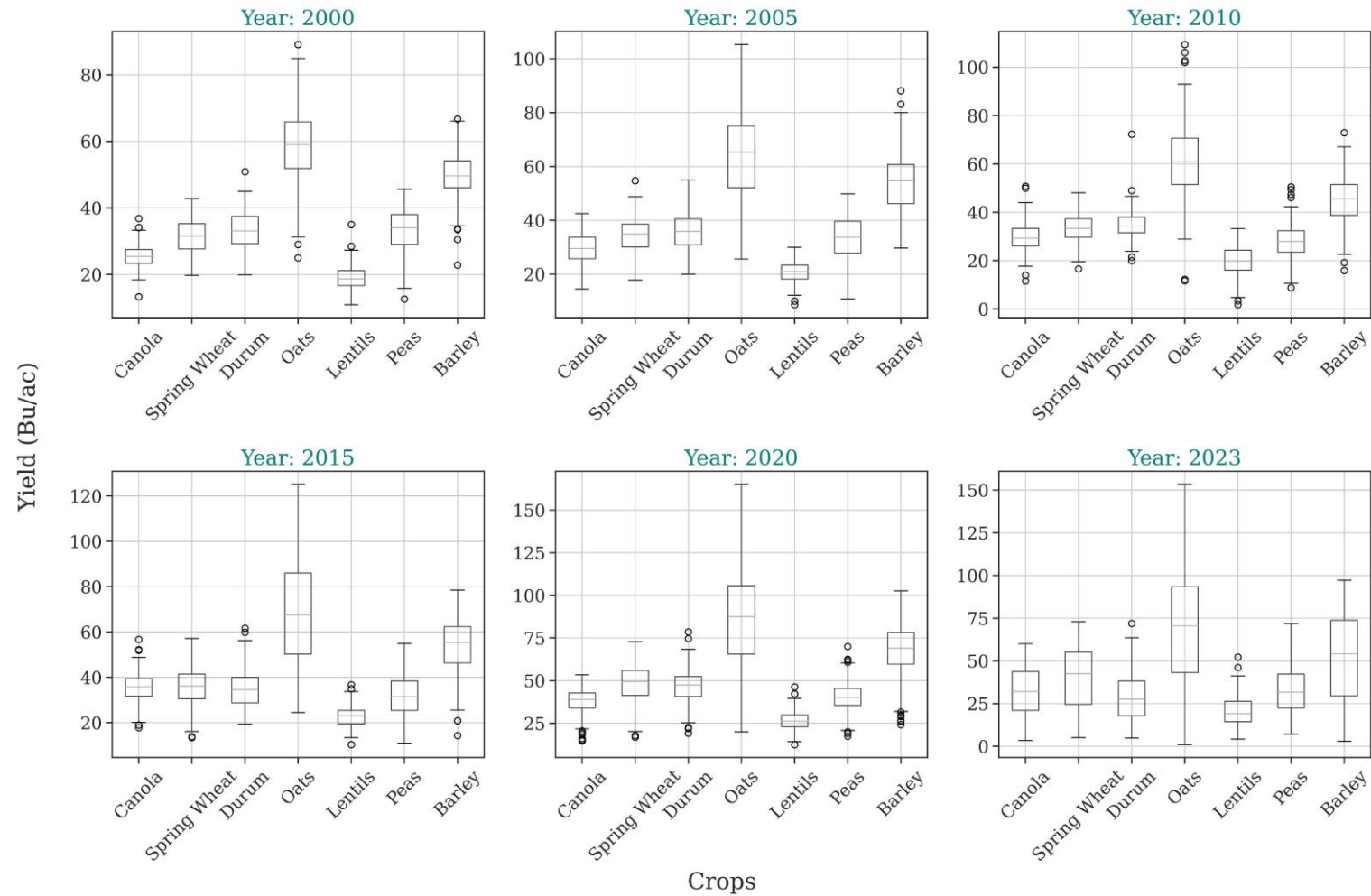


# EXPLORATORY DATA ANALYSIS (EDA)

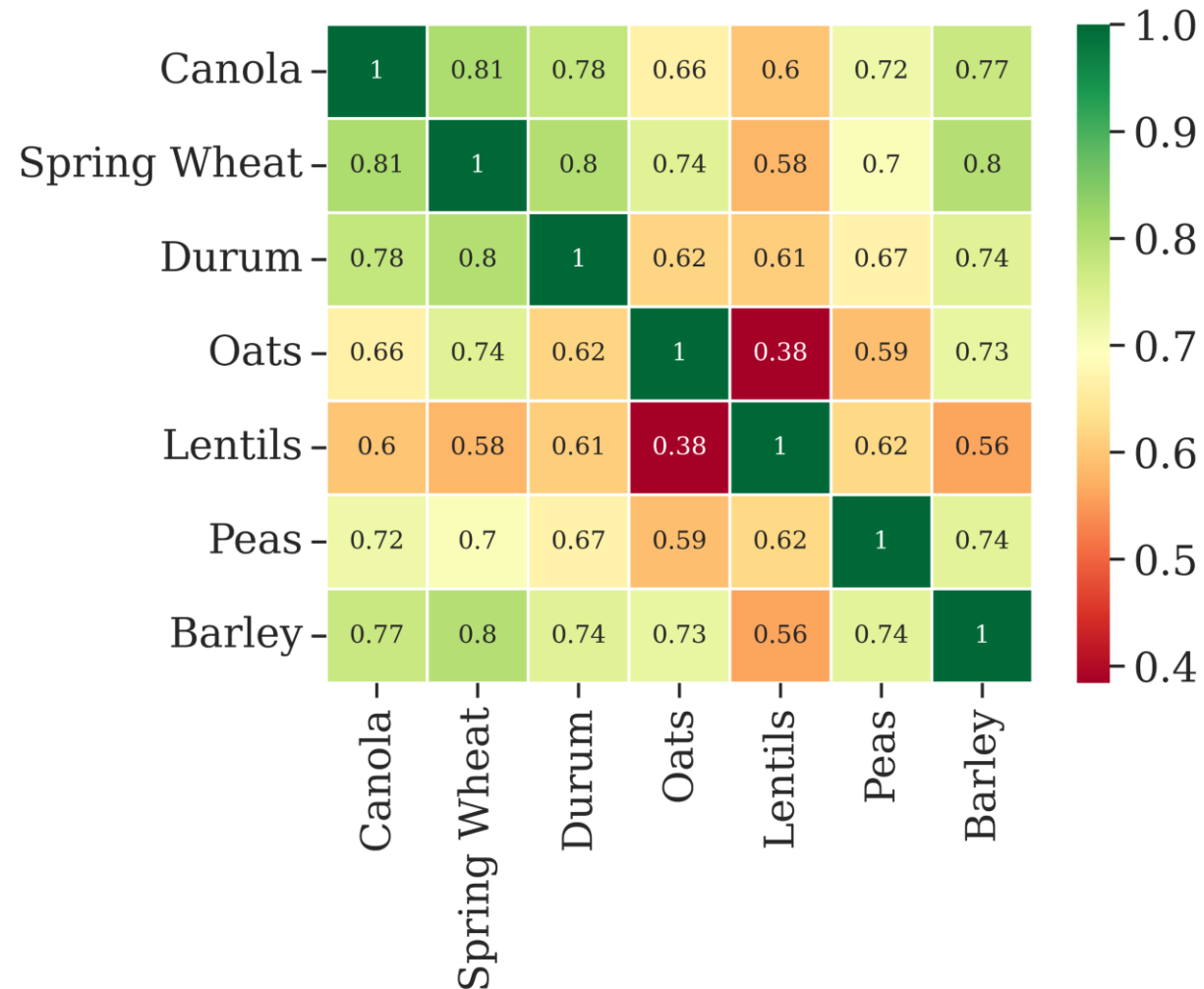
- Understand the Data Structure and Contents
- Identify Data Quality Issues
- Summarize Key Characteristics
- Guide Further Analysis
- Detect and Understand Relationships



# YIELD DISTRIBUTION THROUGH RMS



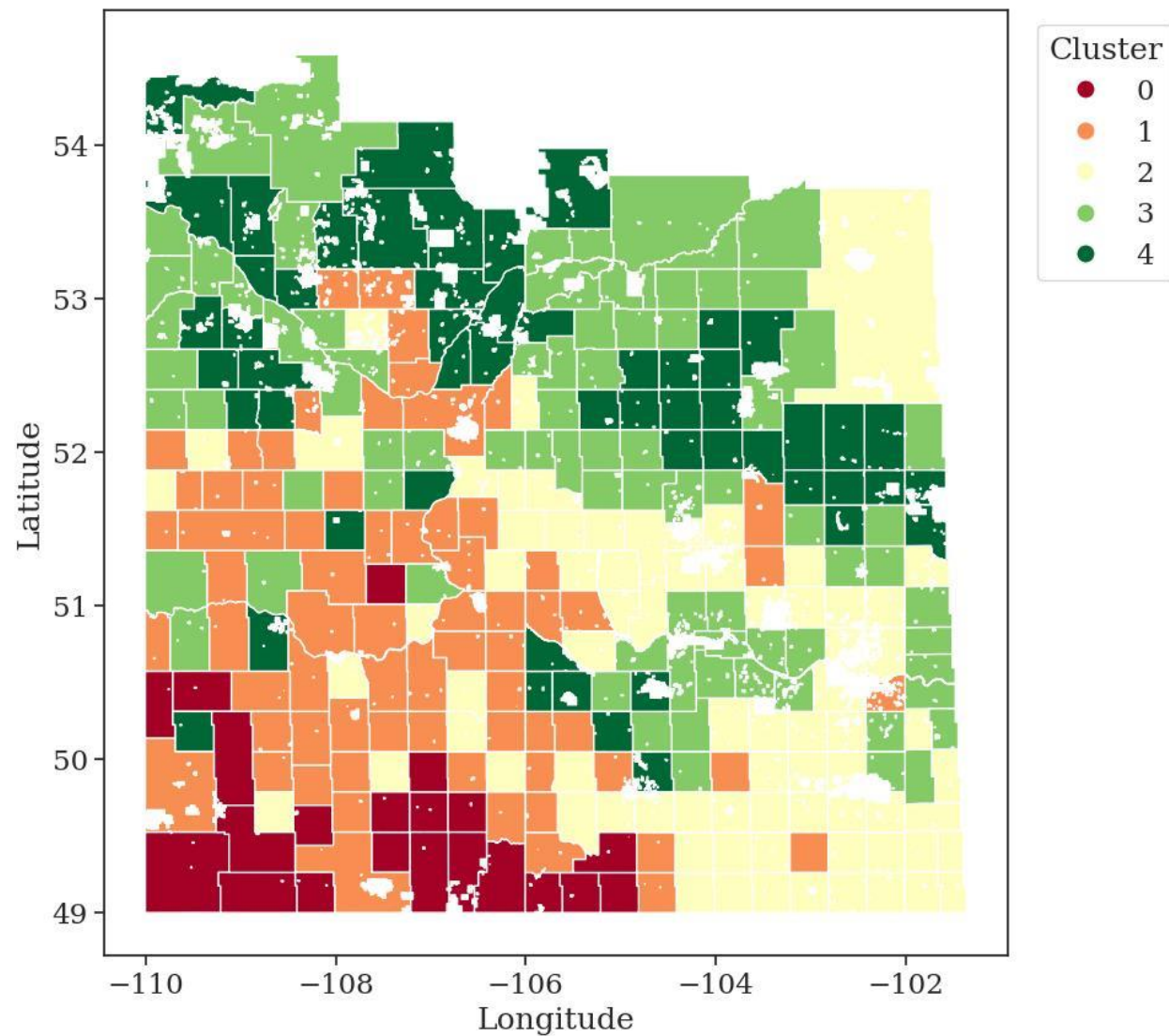
# CORRELATIONS BETWEEN CROPS YIELDS



# CROP YIELD CLUSTERING

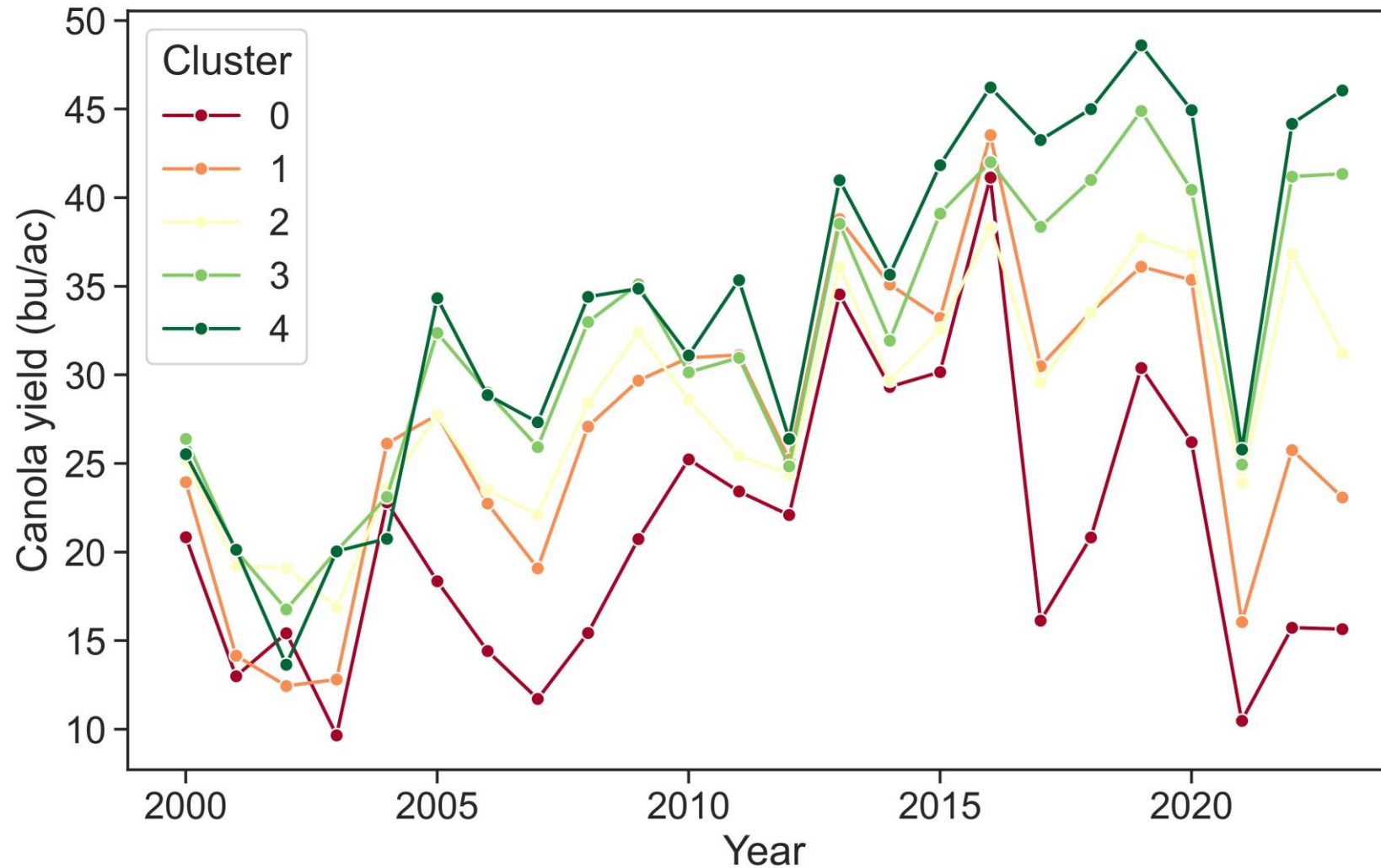
- Identification of Homogeneous Regions
- Targeted Agricultural Practices
- Predicting Crop Yields
- Climate Impact Analysis
- Breeding and Research

# CANOLA YEILD CLUSTERS



Cluster	Yield Average (Bu/ac)
0	21.06
1	27.43
2	28.37
3	32.22
4	34.18

# AVERAGE YIELD TREND FOR EACH CLUSTER







# THANK YOU

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NALANTHA WANASUNDARA