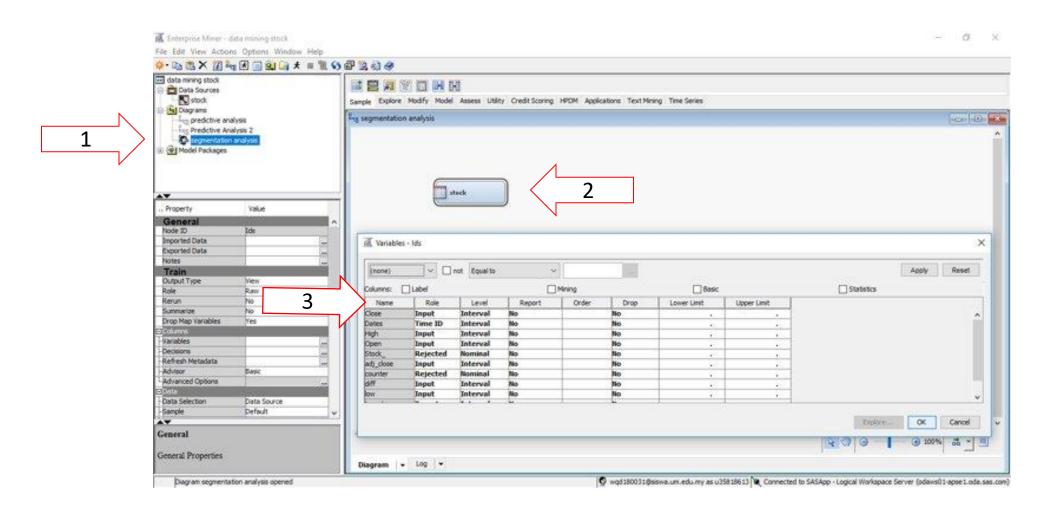
Milestone 5 Communication of Insights of Data

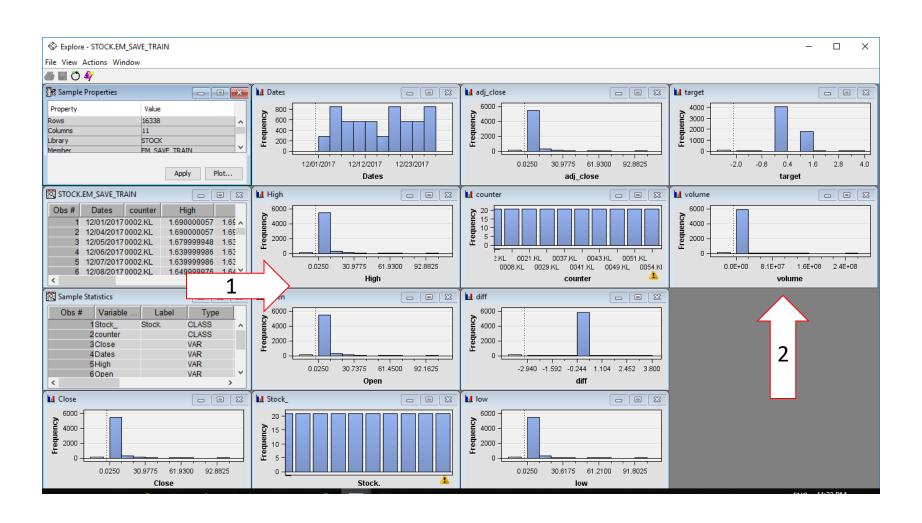
ZULKANAIN BIN HASAN WQD180031

- 1. Create SEGMENTATION ANALYSIS diagram
- 2. Import data source STOCK
- 3. Explore STOCK variables



Findings:

- 1. Similar pattern for adj_close, High & Open
- 2. There is dominant value for volume

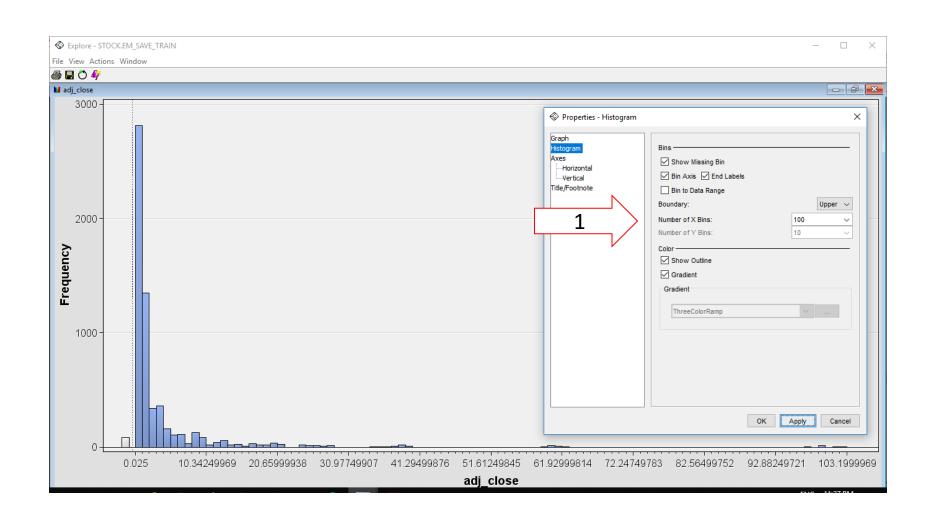


Findings:

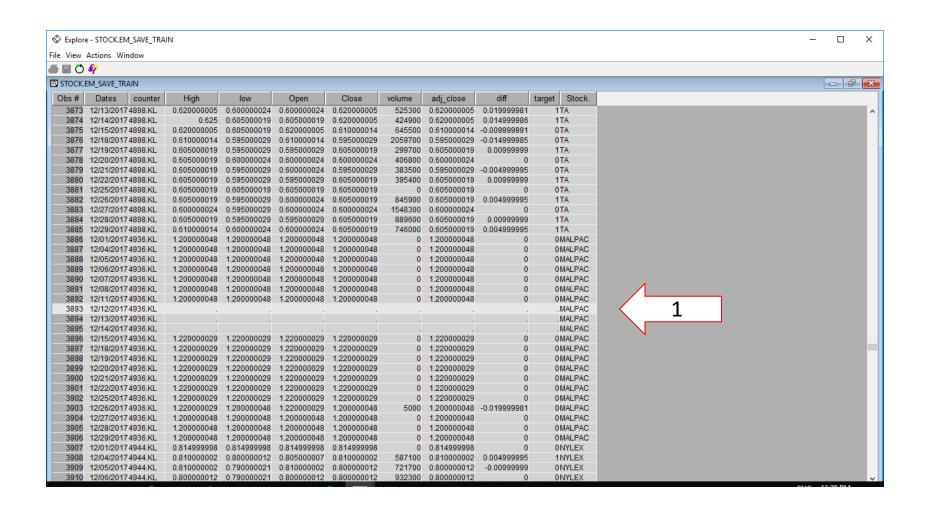
- 1. adj_close table shows maximum value between 0.0250 to 10.3425
- 2. There is missing value



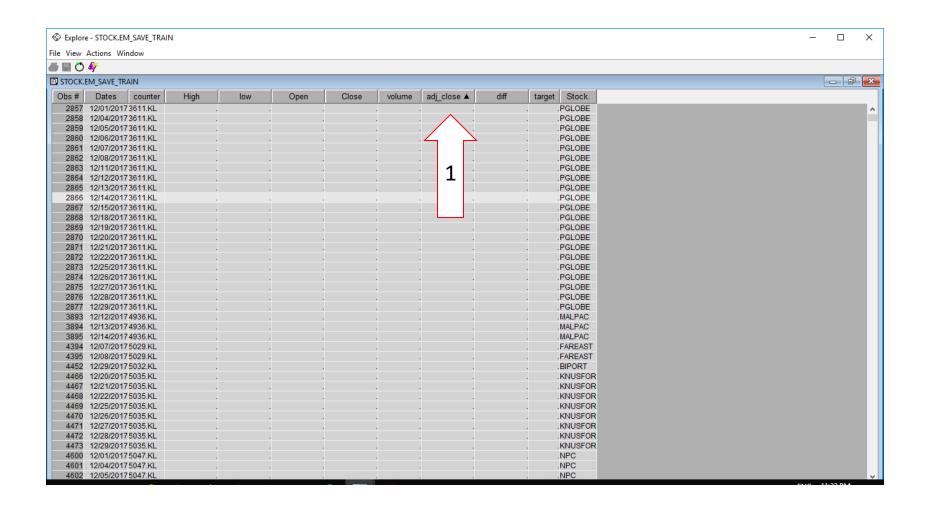
1. Changed Histogram properties to 100 number of x Bins



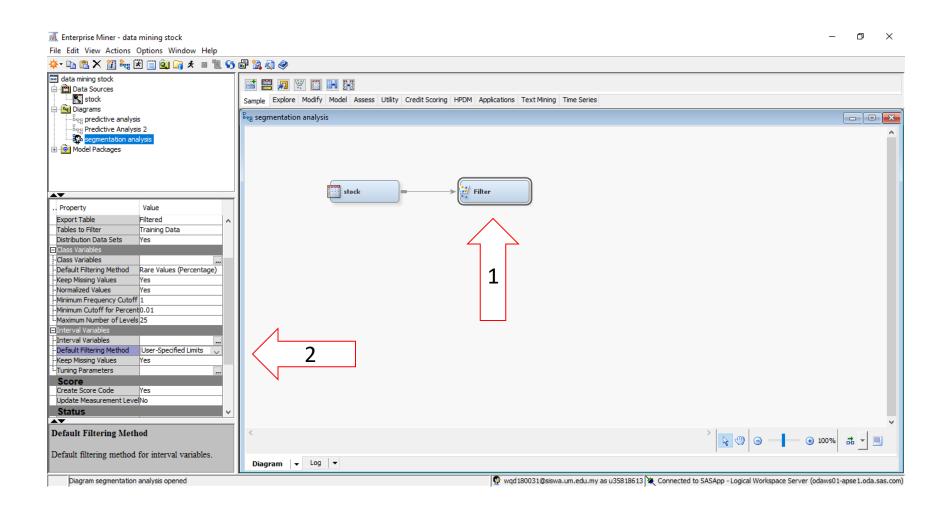
1. Explore TRAIN data and found there is missing value



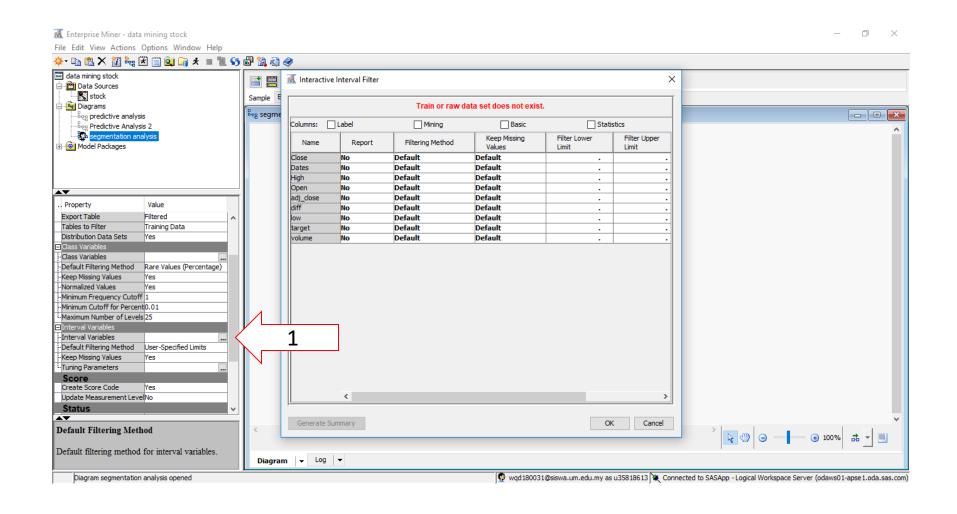
1. Sorted adj_close to get ascending's for clearer in order to analyze missing value



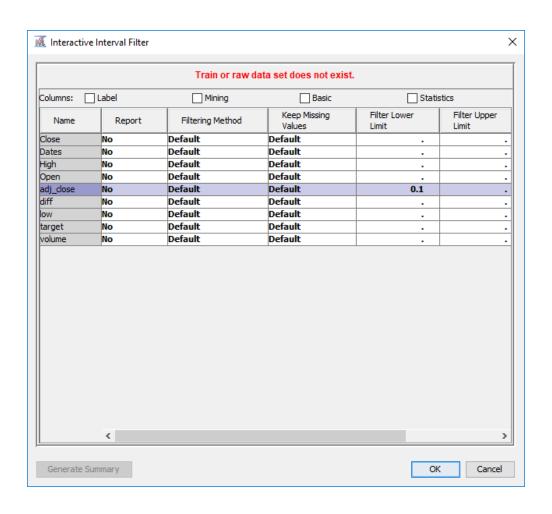
- 1. Import FILTER node and connect to data source STOCK in diagram
- 2. Change Default Filtering Method for Interval Variables to User-Specified Limits



1. Open Interactive Interval Filter by select the Interval Variables ellipsis

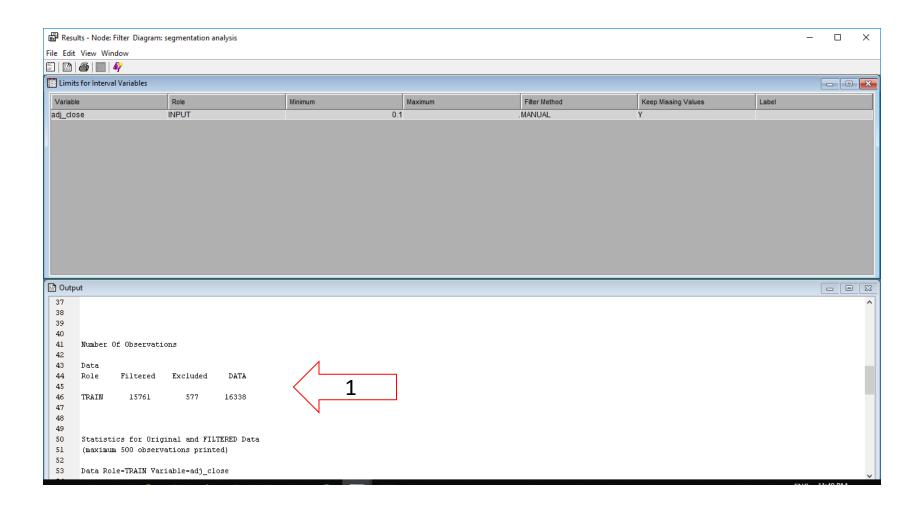


1. Change adj_close Filter Lower Limit to 0.1 and run the FILTER node

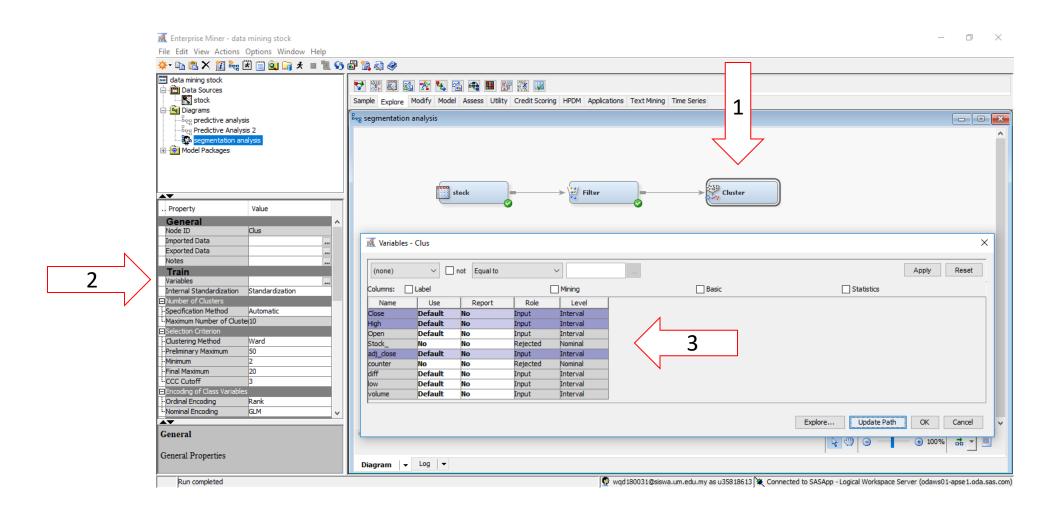


Finding:

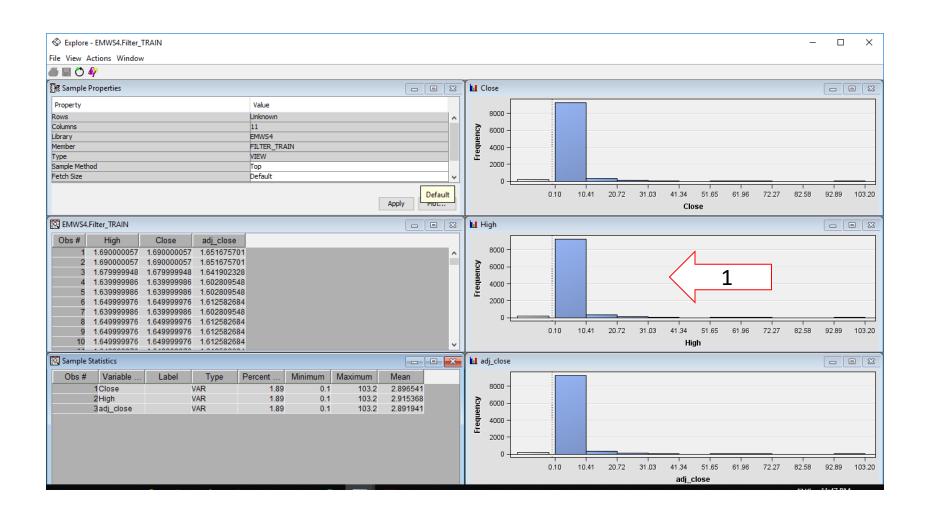
1. 577 observations are Excluded



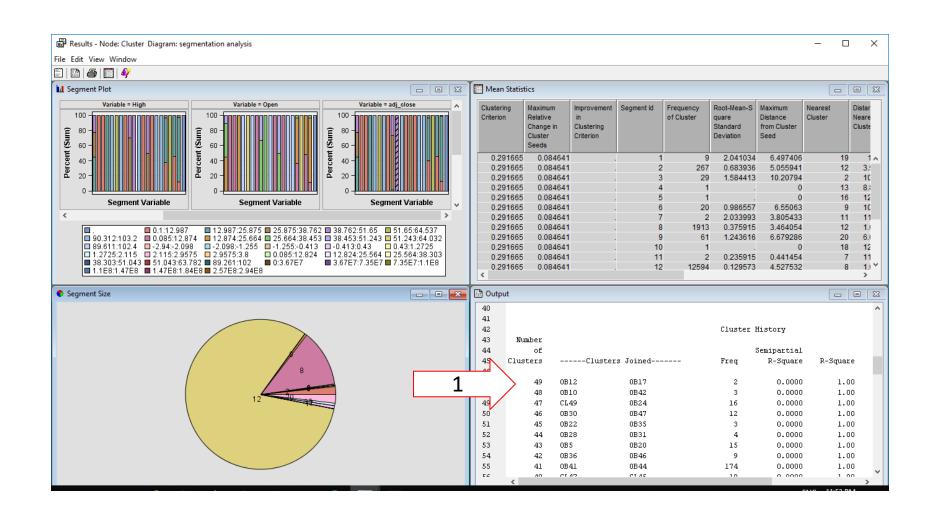
- 1. Import CLUSTER node and connect to FILTER node
- 2. Open CLUSTER node Variables
- 3. Select Close, High and adj_close variables



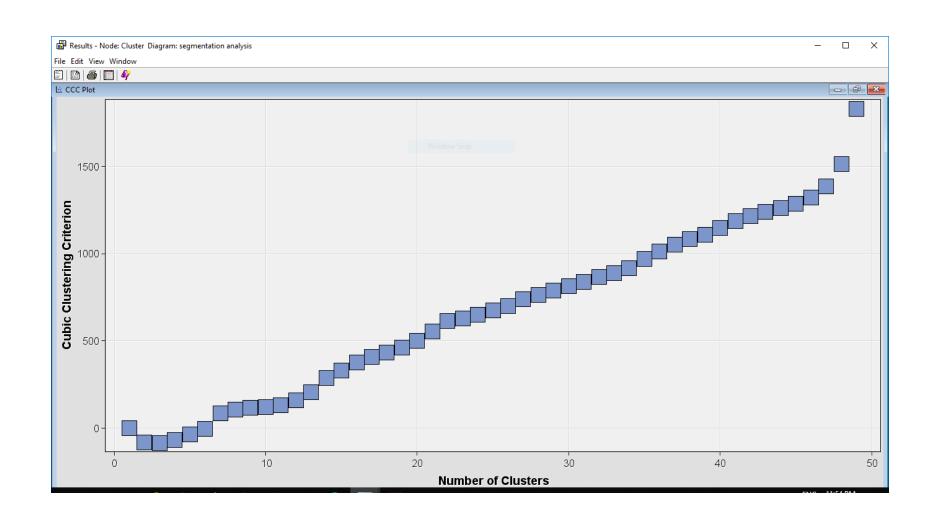
1. Explore Close, High and adj_close and it shows similar pattern



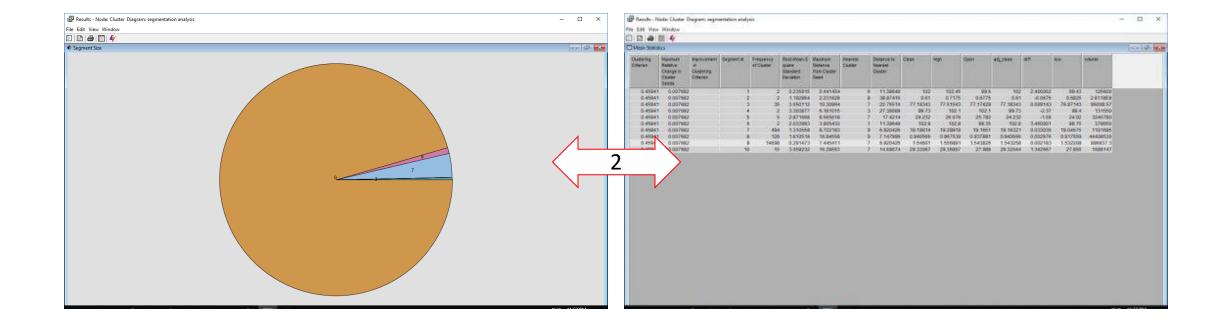
1. Run CLUSTER node and found there is 49 cluster have been created



1. View Summary Statistics in CCC Plot, it shows clearly all 49 clusters

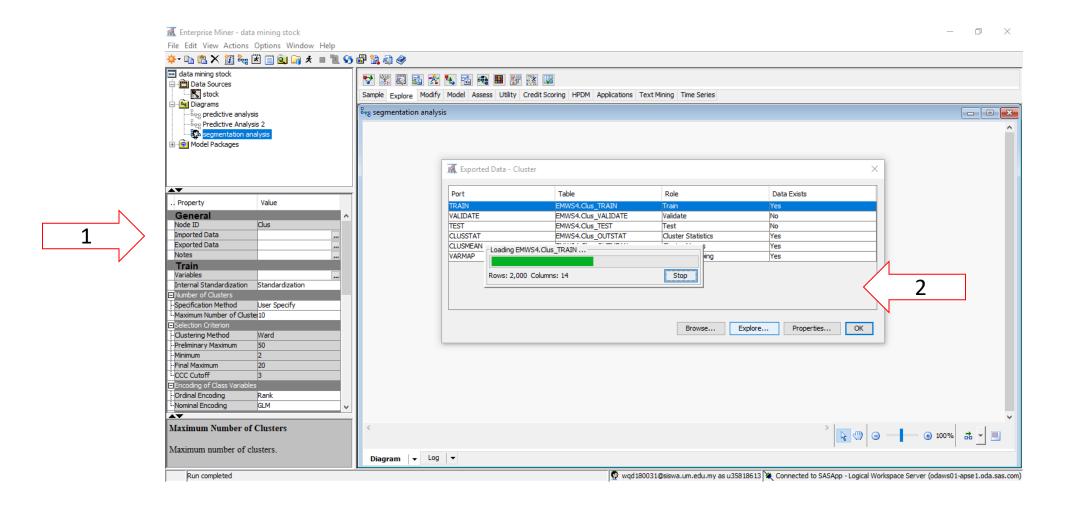


- 1. Change Specification Method to User Specified with default 10
- 2. Re-run the CLUSTER node to create maximum 10 Clusters.

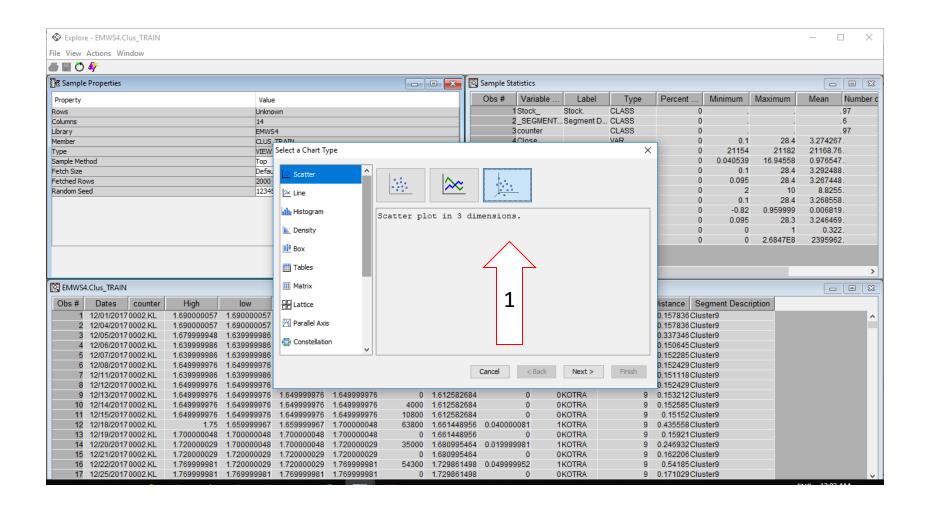


1. Select Exported Data

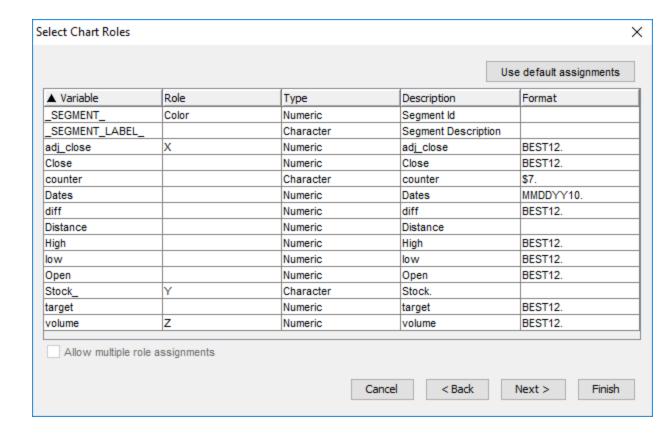
2. Select TRAIN and Explore



1. Create 3D Scatter Plot



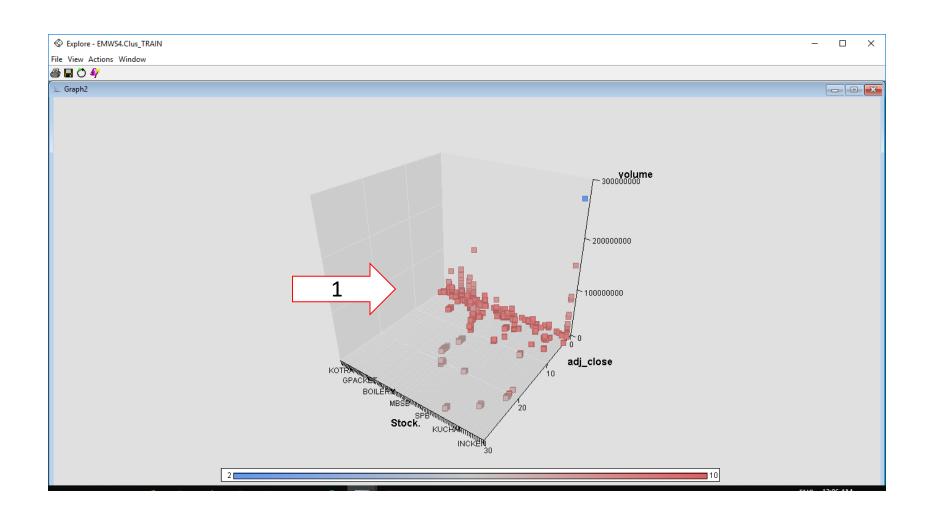
1. Change SEGMENT Role to Color, adj_close to X, Stock to Y and volume to Z



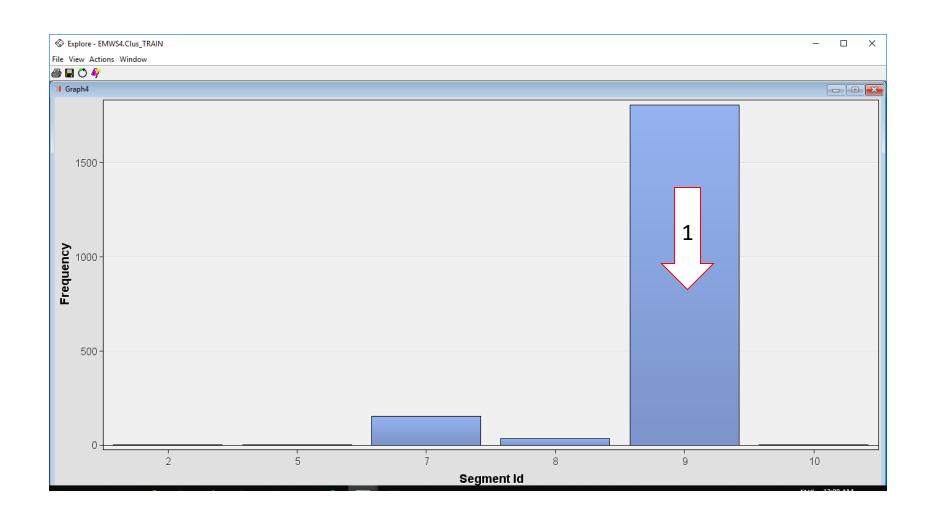
1

Finding:

1. Most of the data plotting at 1 area

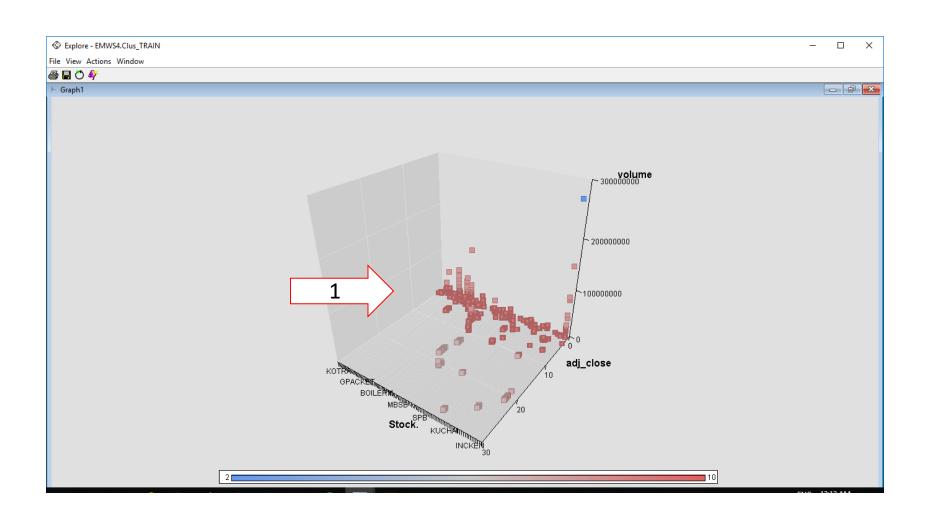


1. Select Segmen_id 9 of TRAIN for further analysis

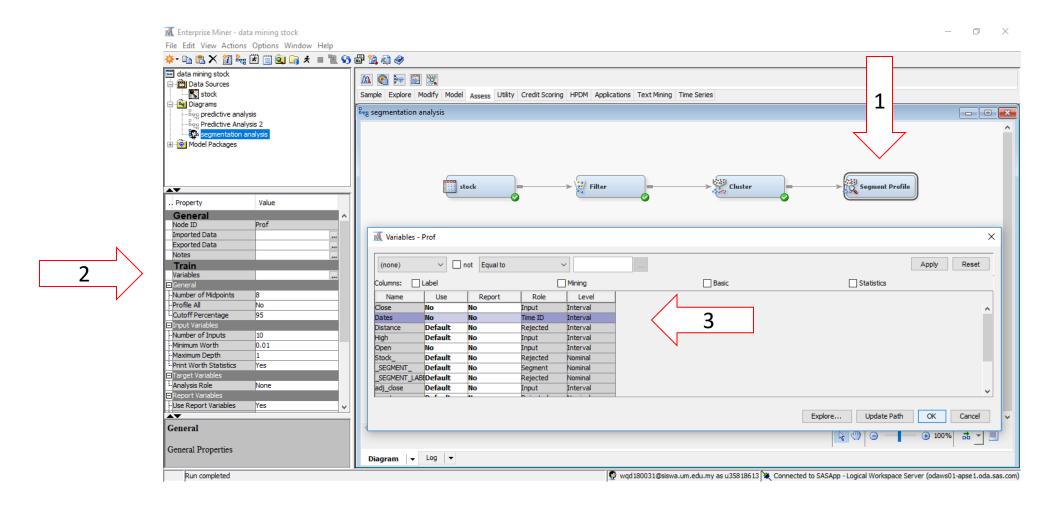


Finding:

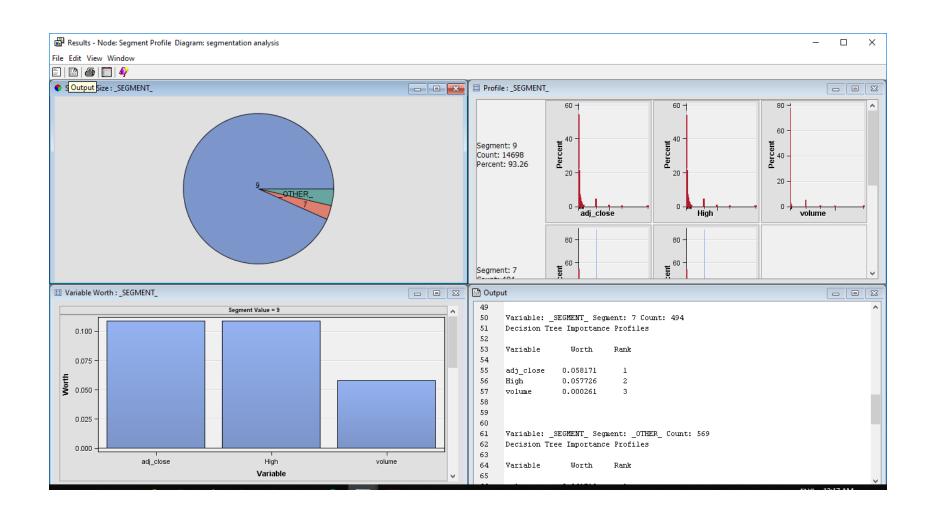
1. Bold RED color represent Segment_id 9



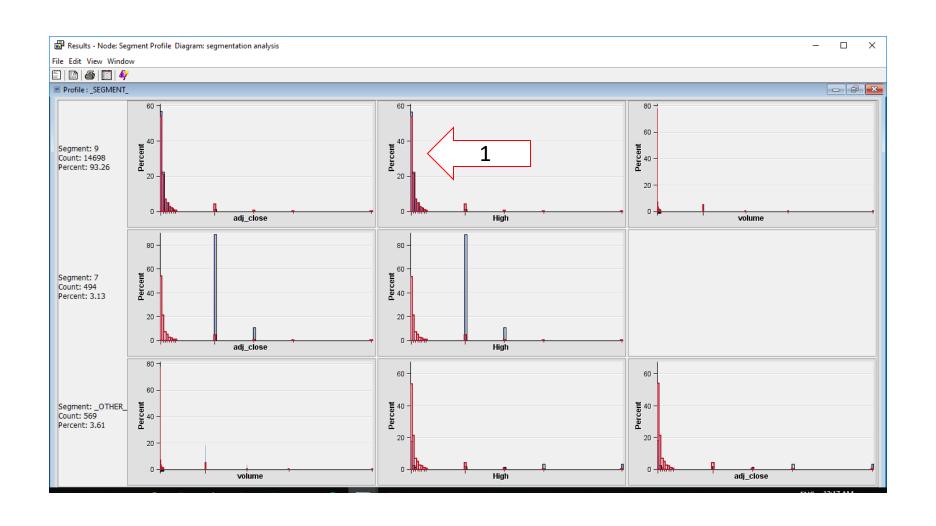
- 1. Import SEGMENT PROFILE node to diagram and connect to CLUSTER node
- 2. Select SEGMENT PROFILE node Variables
- 3. Change it Variables properties



1. Run the SEGMENT PROFILE node and analyze the results



1. Maximize the Profile window and found features of each segment become apparent



1. Maximize the SEGMENT window and found adj_close and High show similar character compared to volume

