ECE 3502- IOT DOMAIN ANALYST

ASSIGNMENT

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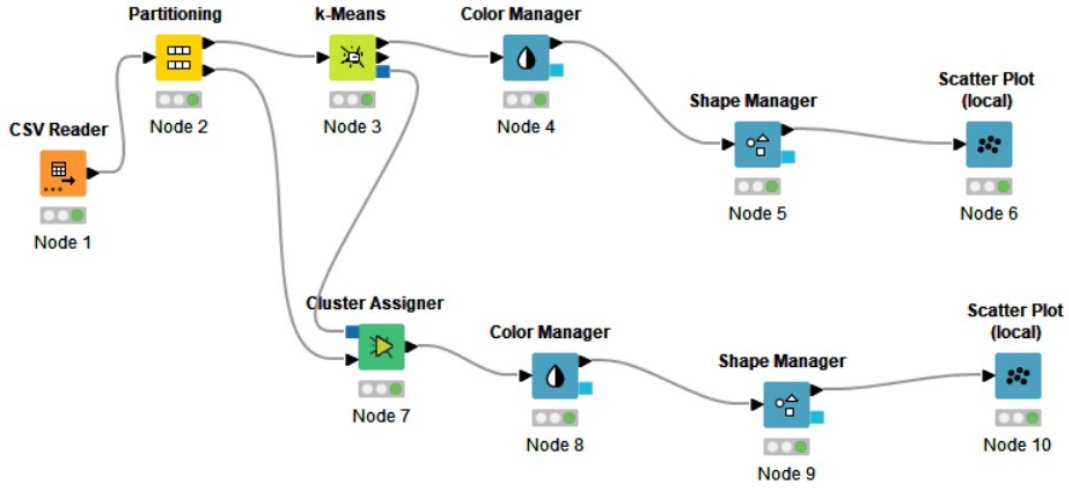
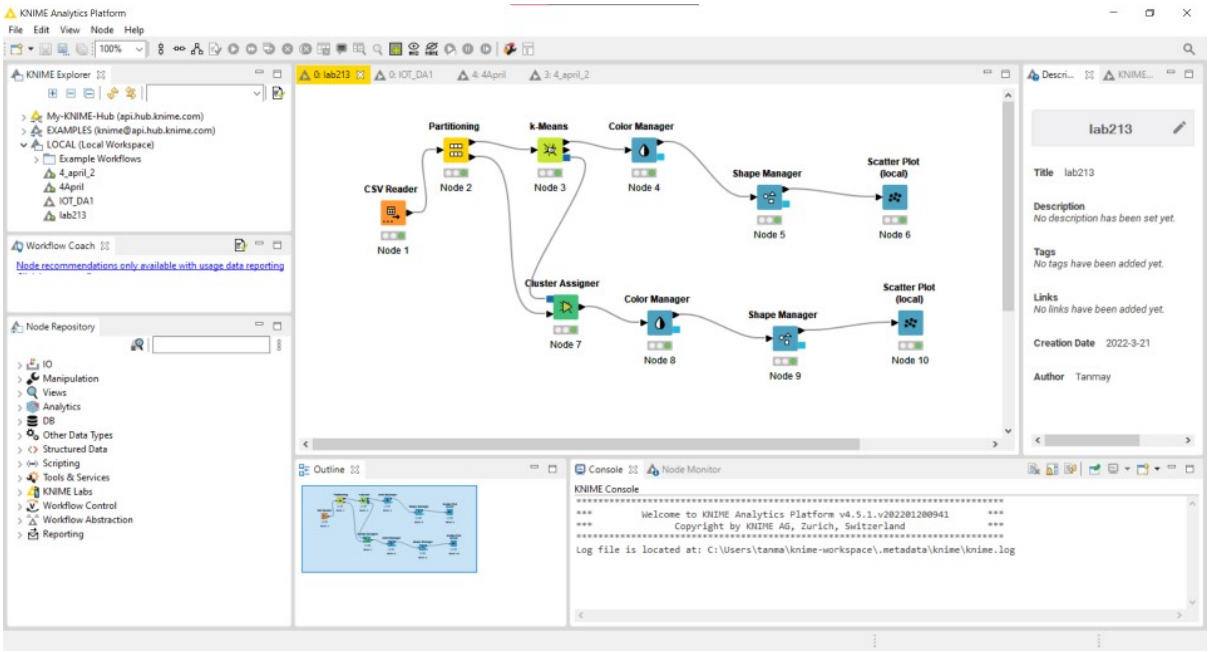
AIM- Performing k-means clustering in KNIME ANALYTICS

DATASET-

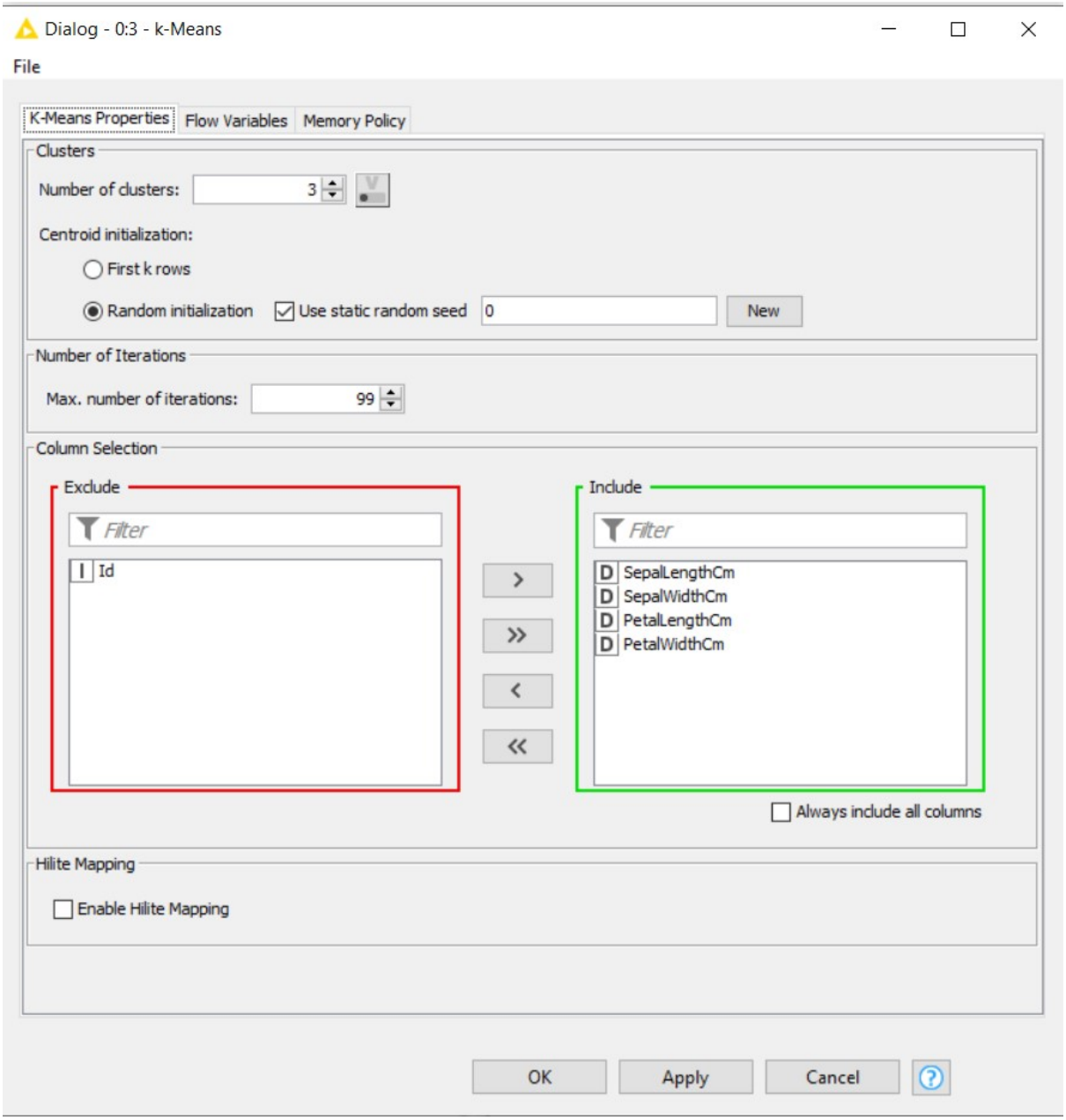
Row ID	Id	SepalLe...	SepalW...	PetalLe...	PetalWi...	Species
Row0	1	5.1	3.5	1.4	0.2	Iris-setosa
Row1	2	4.9	3	1.4	0.2	Iris-setosa
Row2	3	4.7	3.2	1.3	0.2	Iris-virginica
Row3	4	4.6	3.1	1.5	0.2	Iris-setosa
Row4	5	5	3.6	1.4	0.2	Iris-setosa
Row5	6	5.4	3.9	1.7	0.4	Iris-setosa
Row6	27	5	3.4	1.6	0.4	Iris-setosa
Row7	28	5.2	3.5	1.5	0.2	Iris-setosa
Row8	110	7.2	3.6	6.1	2.5	Iris-virginica
Row9	111	6.5	3.2	5.1	2	Iris-virginica
Row10	112	6.4	2.7	5.3	1.9	Iris-virginica

Node Flow-



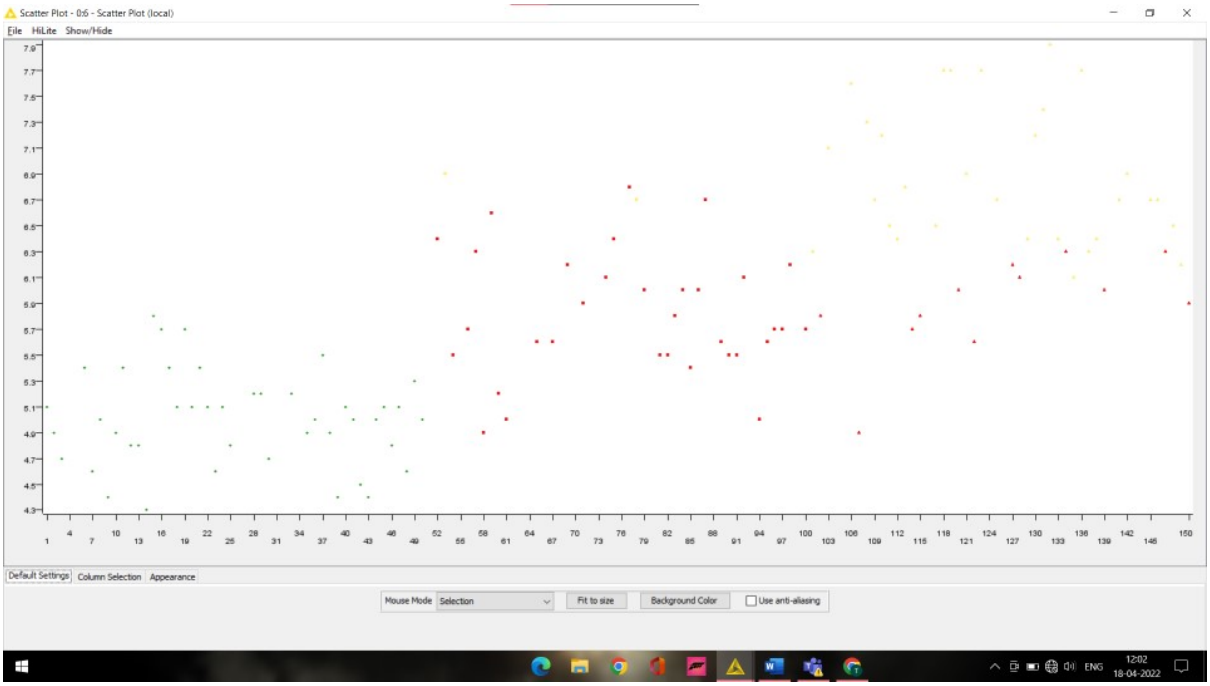

KNIME Analytics Platform
File Edit View Node Help
KNIME Explorer
My-KNIME-Hub (api.hub.knime.com)
EXAMPLES (knime@api.hub.knime.com)
LOCAL (Local Workspace)
Example Workflows
4_april_2
4April
IOT_DA1
lab213
Workflow Coach
Node recommendations only available with usage data reporting
Node Repository
IO
Manipulation
Views
Analytics
DB
Other Data Types
Structured Data
Scripting
Tools & Services
KNIME Labs
Workflow Control
Workflow Abstraction
Reporting
0: lab213
0: IOT_DA1
4: 4April
3: 4_april_2
CSV Reader
Node 1
Partitioning
Node 2
k-Means
Node 3
Color Manager
Node 4
Shape Manager
Node 5
Scatter Plot (local)
Node 6
Cluster Assigner
Node 7
Color Manager
Node 8
Shape Manager
Node 9
Scatter Plot (local)
Node 10
lab213
Title lab213
Description
No description has been set yet.
Tags
No tags have been added yet.
Links
No links have been added yet.
Creation Date 2022-3-21
Author Tanmay
Outline
Console
Node Monitor
KNIME Console
Welcome to KNIME Analytics Platform v4.5.1.v202201200941
Copyright by KNIME AG, Zurich, Switzerland
Log file is located at: C:\Users\tanma\knime-workspace\.metadata\knime\knime.log

Node properties-



Output-


Scatter Plot - 0:10 - Scatter Plot (local)
File HiLite Show/Hide
Default Settings
Column Selection
Appearance
Mouse Mode
Selection
Fit to size
Background Color
Use anti-aliasing
ENG
12:04
18-04-2022


Scatter Plot - 0:6 - Scatter Plot (local)
File HiLite Show/Hide
Default Settings
Column Selection
Appearance
Mouse Mode
Selection
Fit to size
Background Color
Use anti-aliasing
ENG
12:02
18-04-2022