Indian Institute of Remote Sensing

The Process for Uploading Data and Creating a Dashboard on the Knowage Online Platform

M.Sc. Agri Analytics

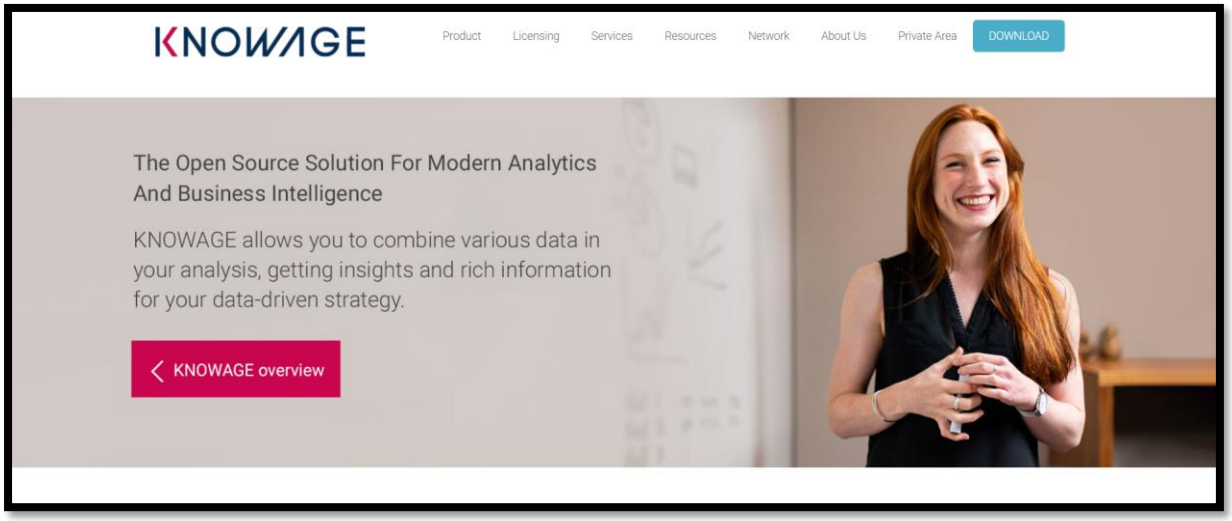
Big Data Analytics

PROCEDURE

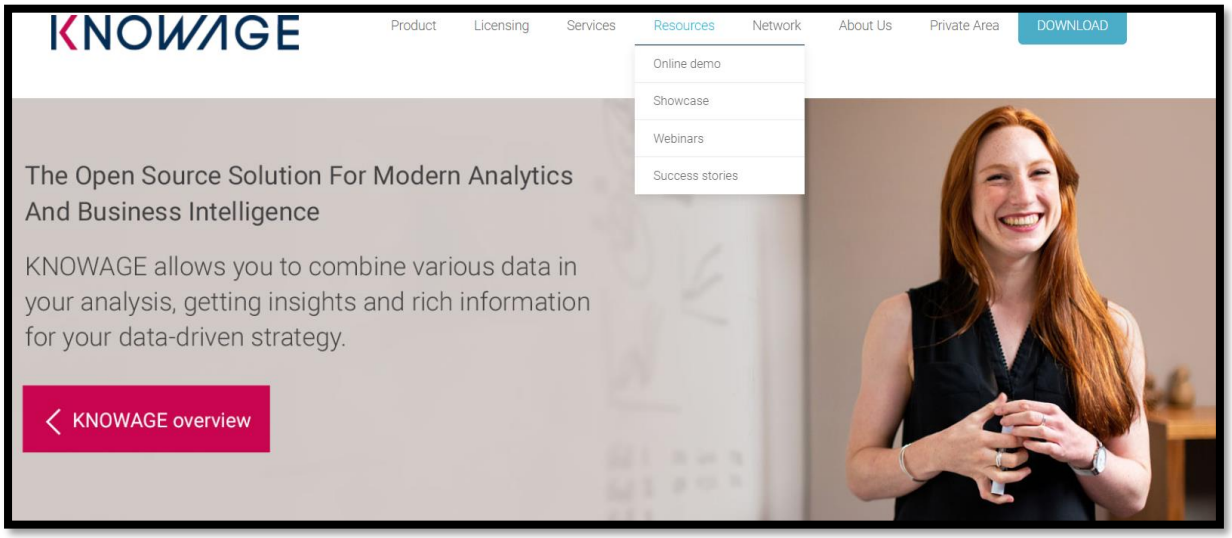
Open this link.

https://www.knowage-suite.com/site/

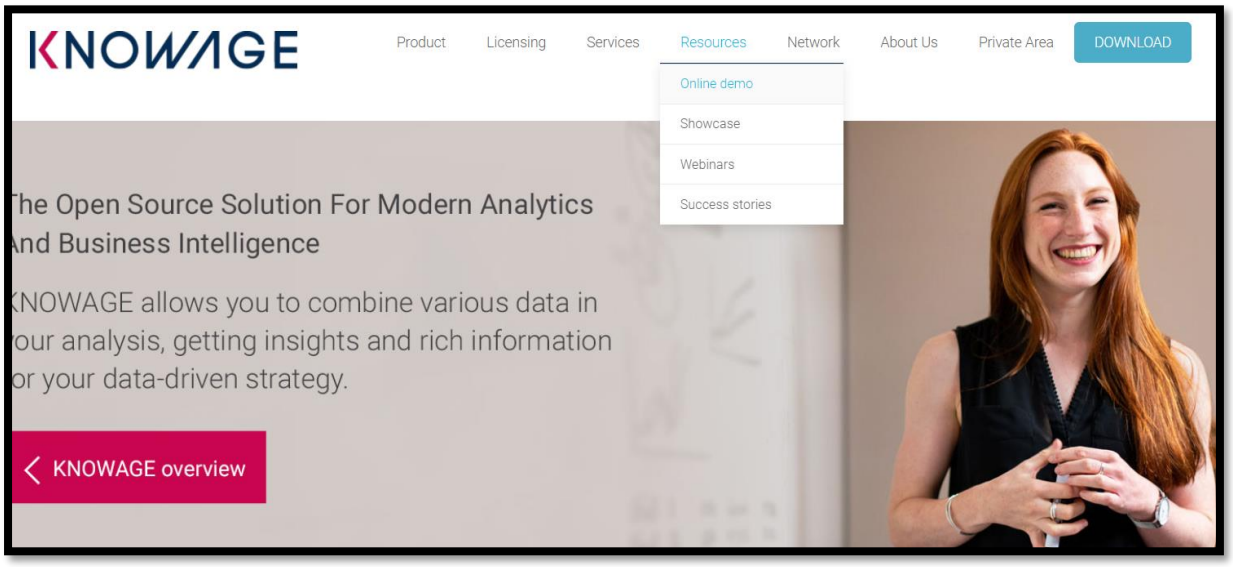
This is How The Home Page Seem.



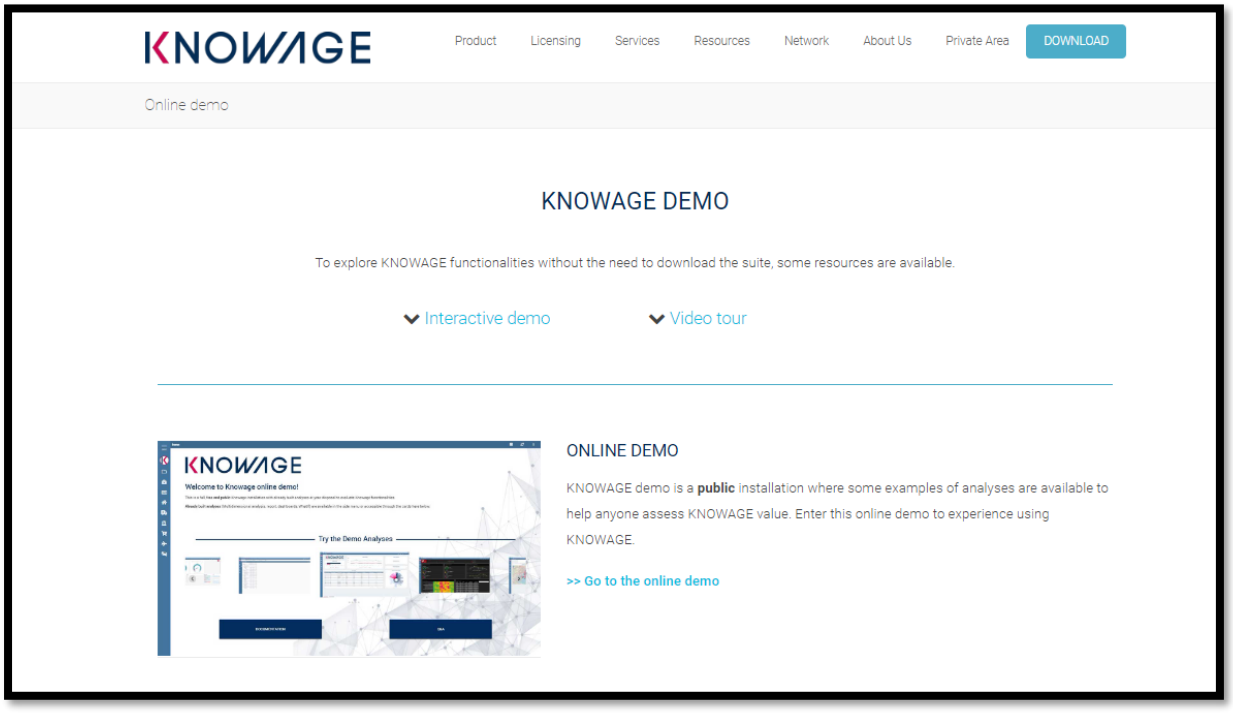
See the Available Materials. Then go to the Resources.



Go to the online demo.



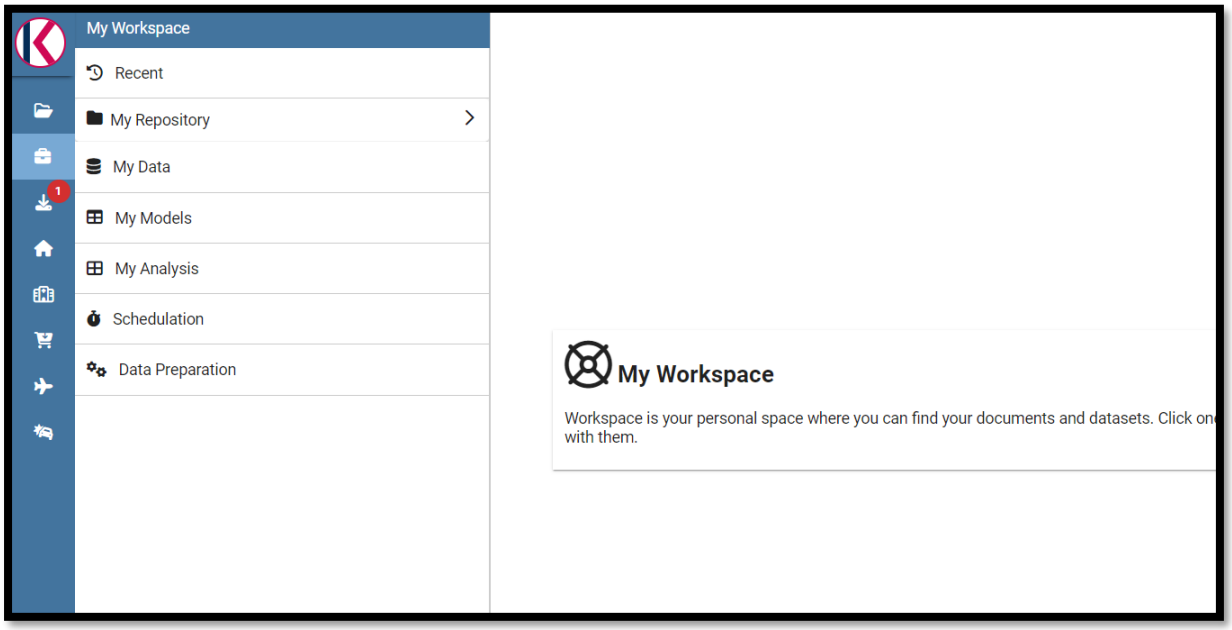
This is How The Online demo page Seem. Then go to the >> Go to the online demo.



Establish a demo_login.

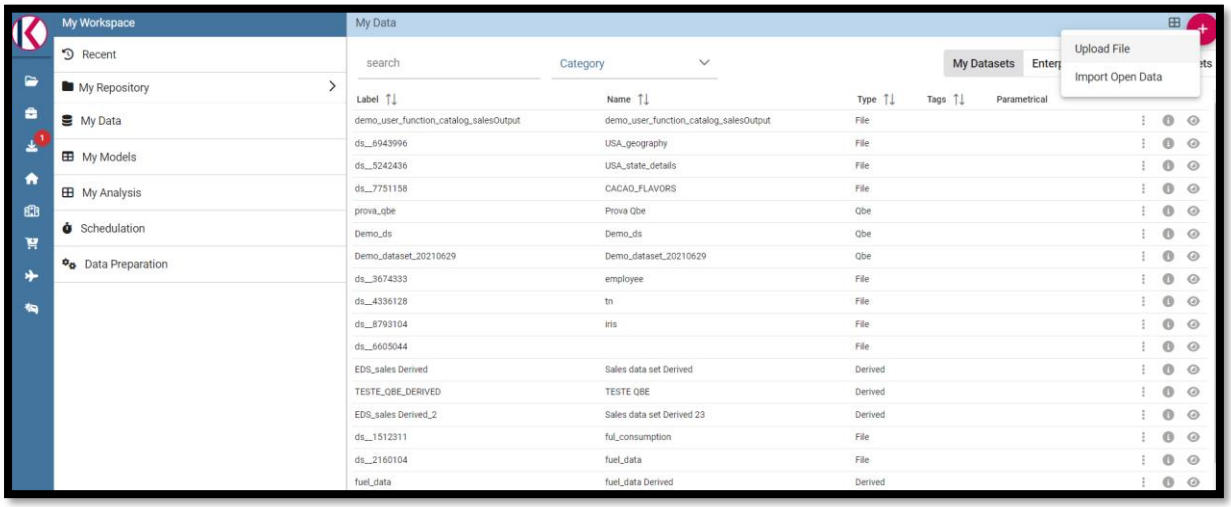
This is How The Online demo_user page Seem.

Next, select the My Workspace tab.

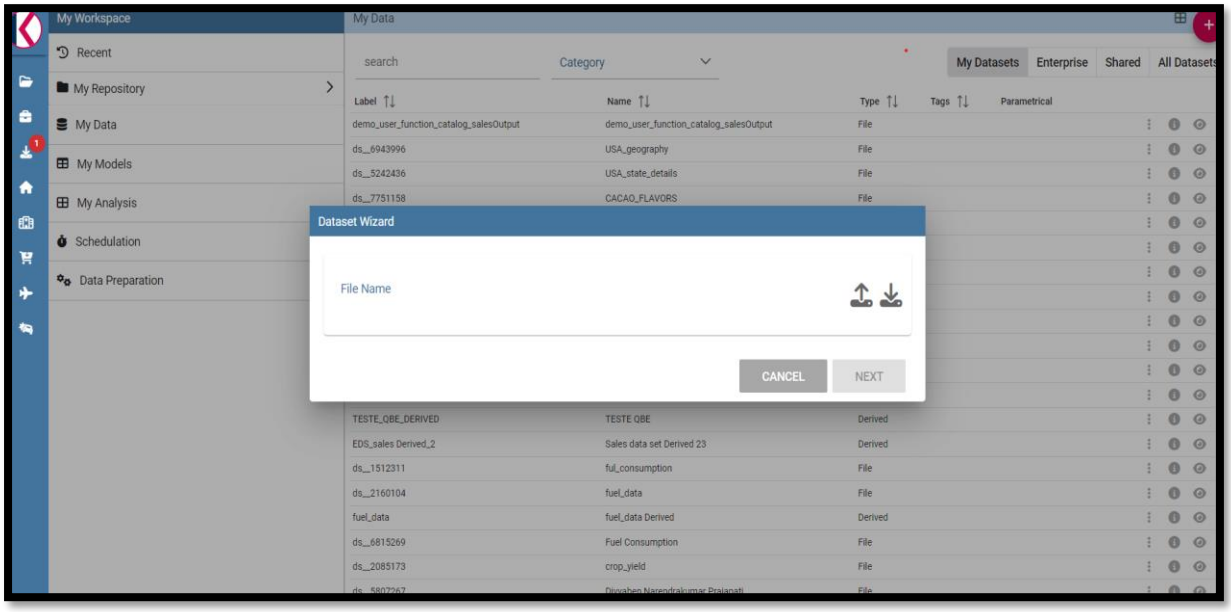


Go to the "My data" page.

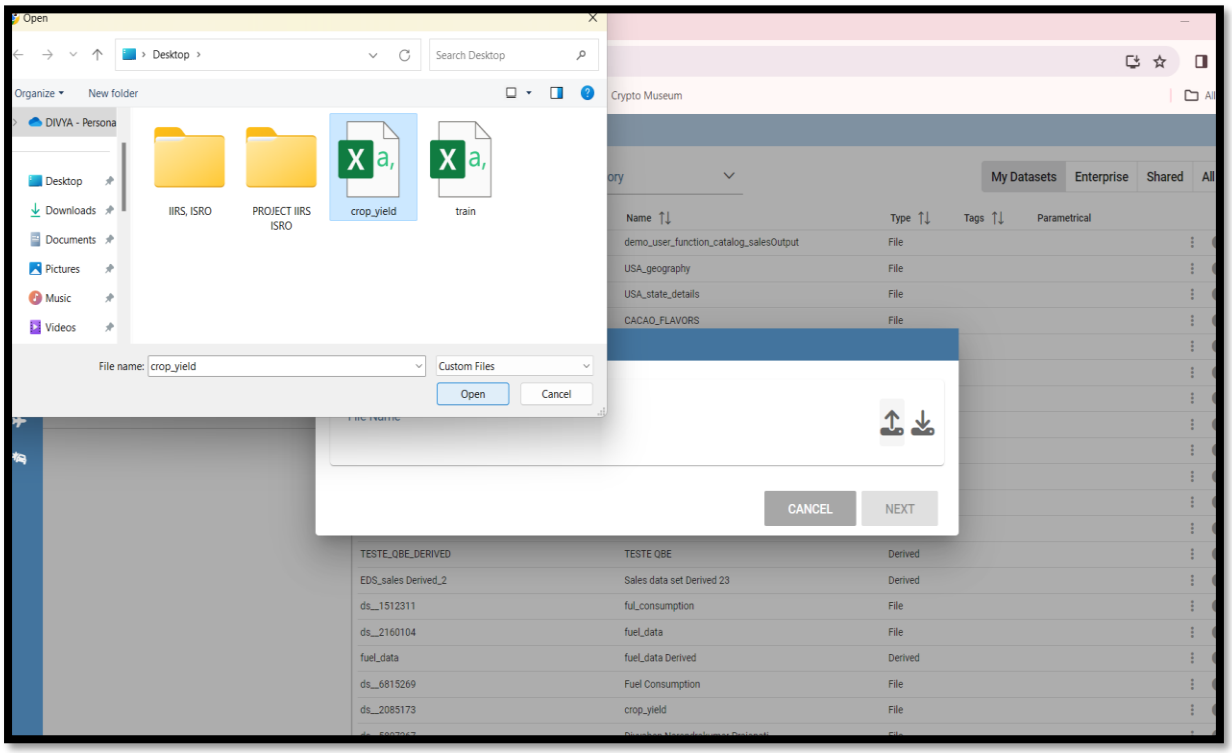
After selecting "+ sign," upload the data.

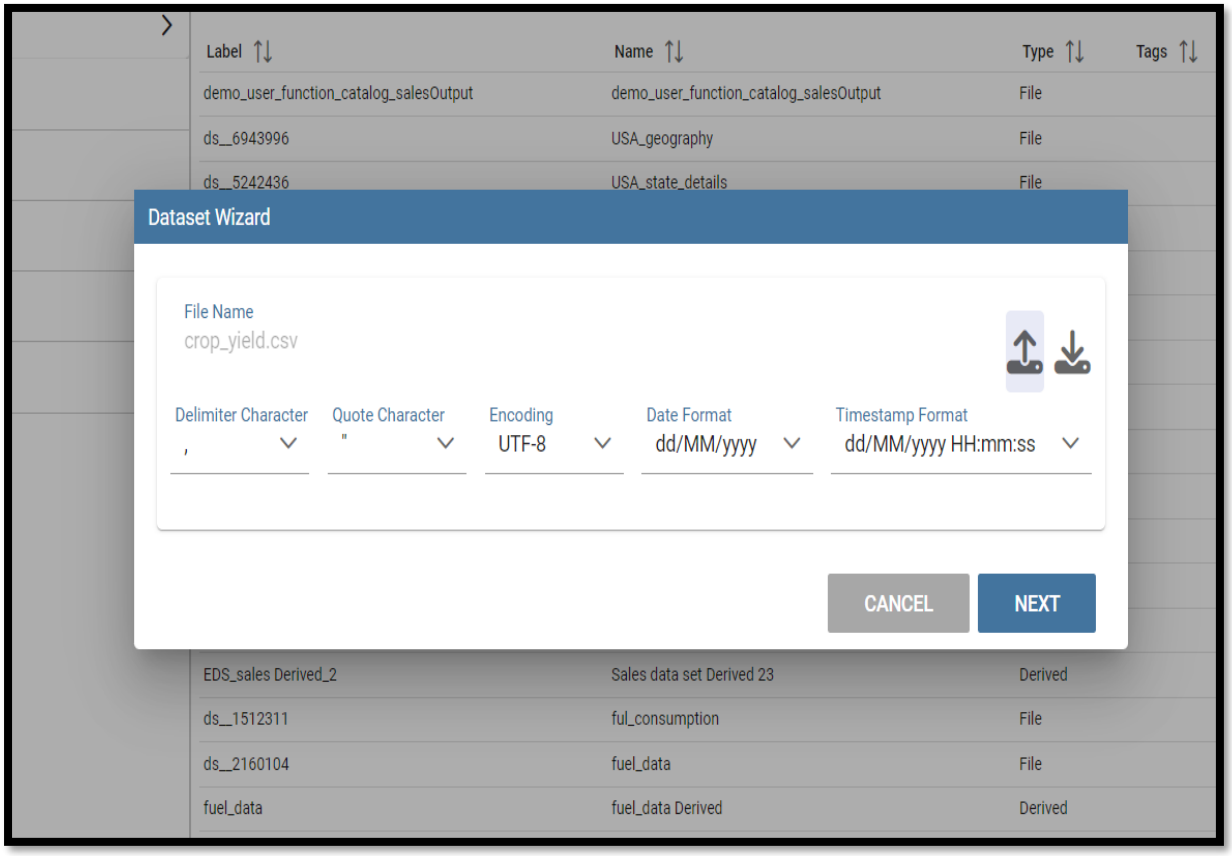


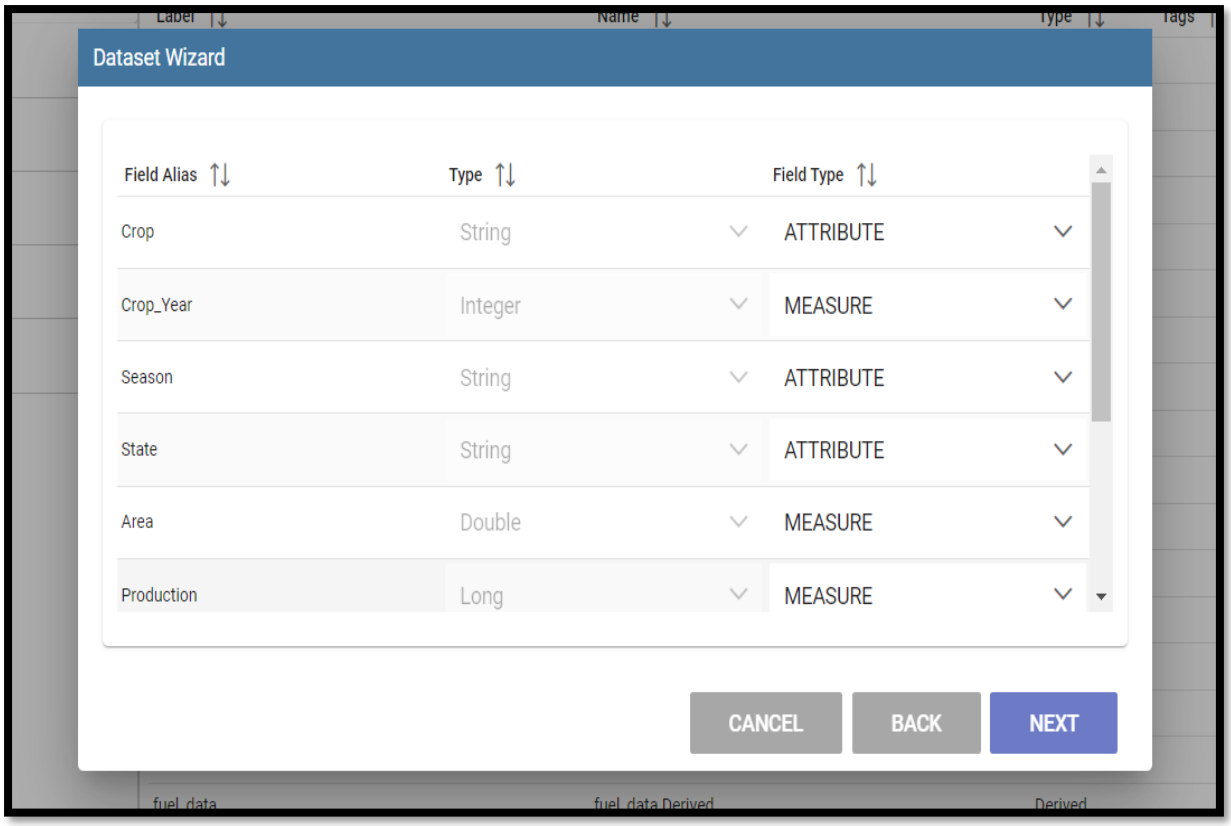
Put the info in.

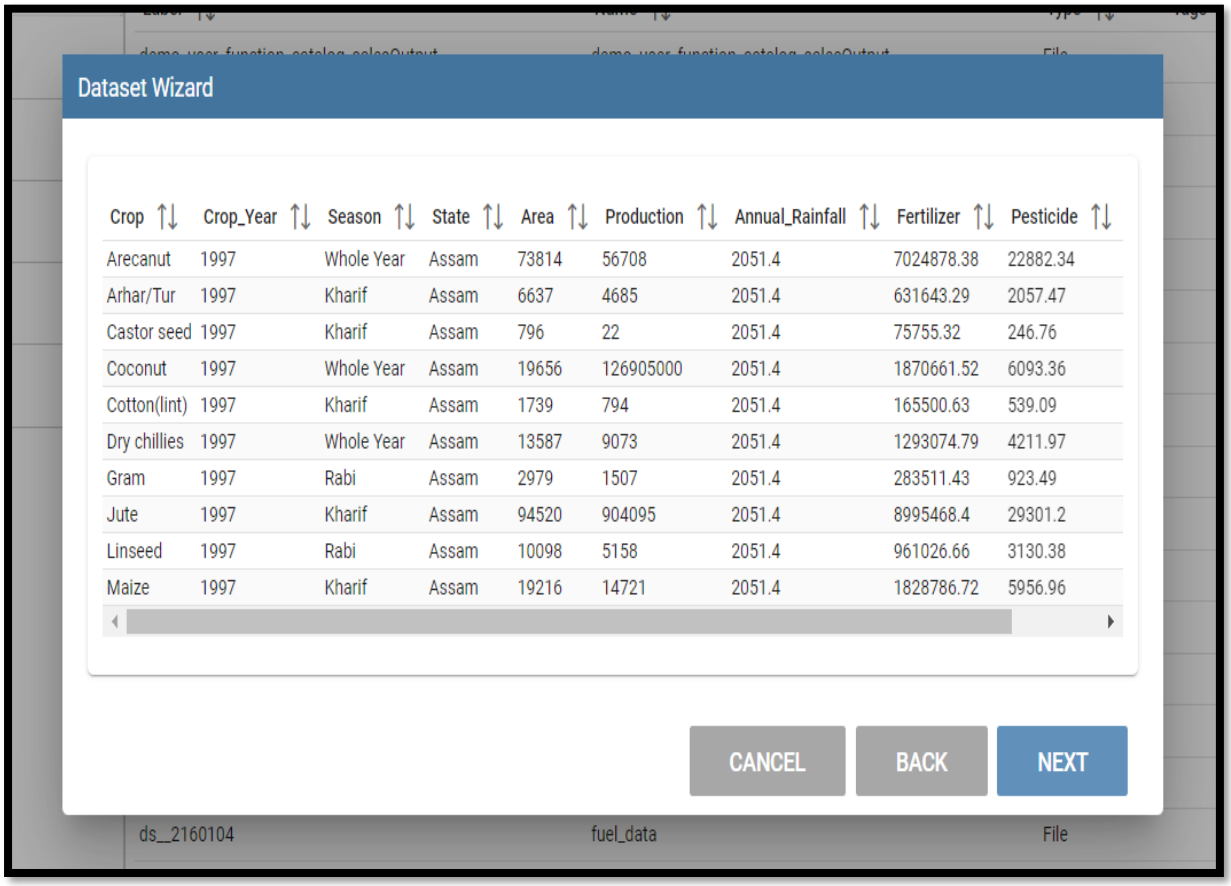


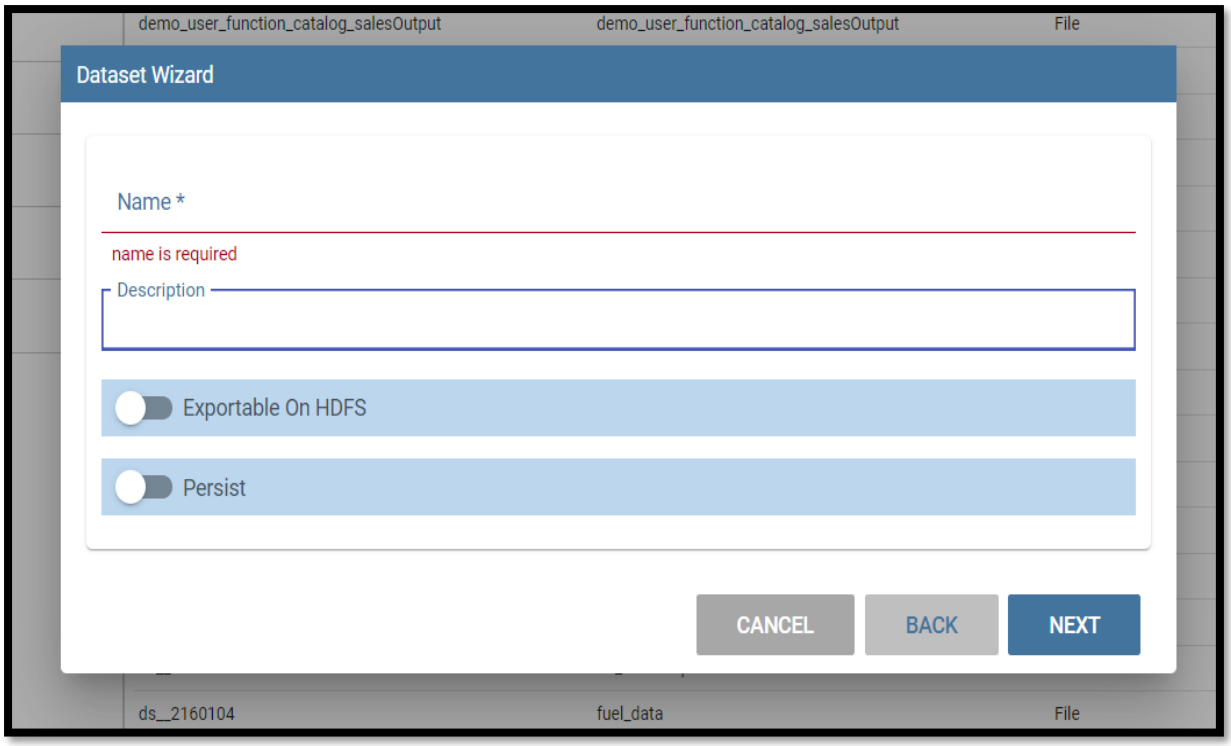
Example


Open
Desktop
Search Desktop
Organize
New folder
DIVYA - Persona
Desktop
Downloads
Documents
Pictures
Music
Videos
IIRS, ISRO
PROJECT IIRS ISRO
crop_yield
train
File name: crop_yield
Custom Files
Open
Cancel
Crypto Museum
My Datasets
Enterprise
Shared
Name
Type
Tags
Parametrical
demo_user_function_catalog_salesOutput
USA_geography
USA_state_details
CACAO_FLAVORS
CANCEL
NEXT
TESTE_QBE_DERIVED
TESTE QBE
Derived
EDS_sales Derived_2
Sales data set Derived 23
Derived
ds__1512311
ful_consumption
File
ds__2160104
fuel_data
File
fuel_data
fuel_data Derived
Derived
ds__6815269
Fuel Consumption
File
ds__2085173
crop_yield
File

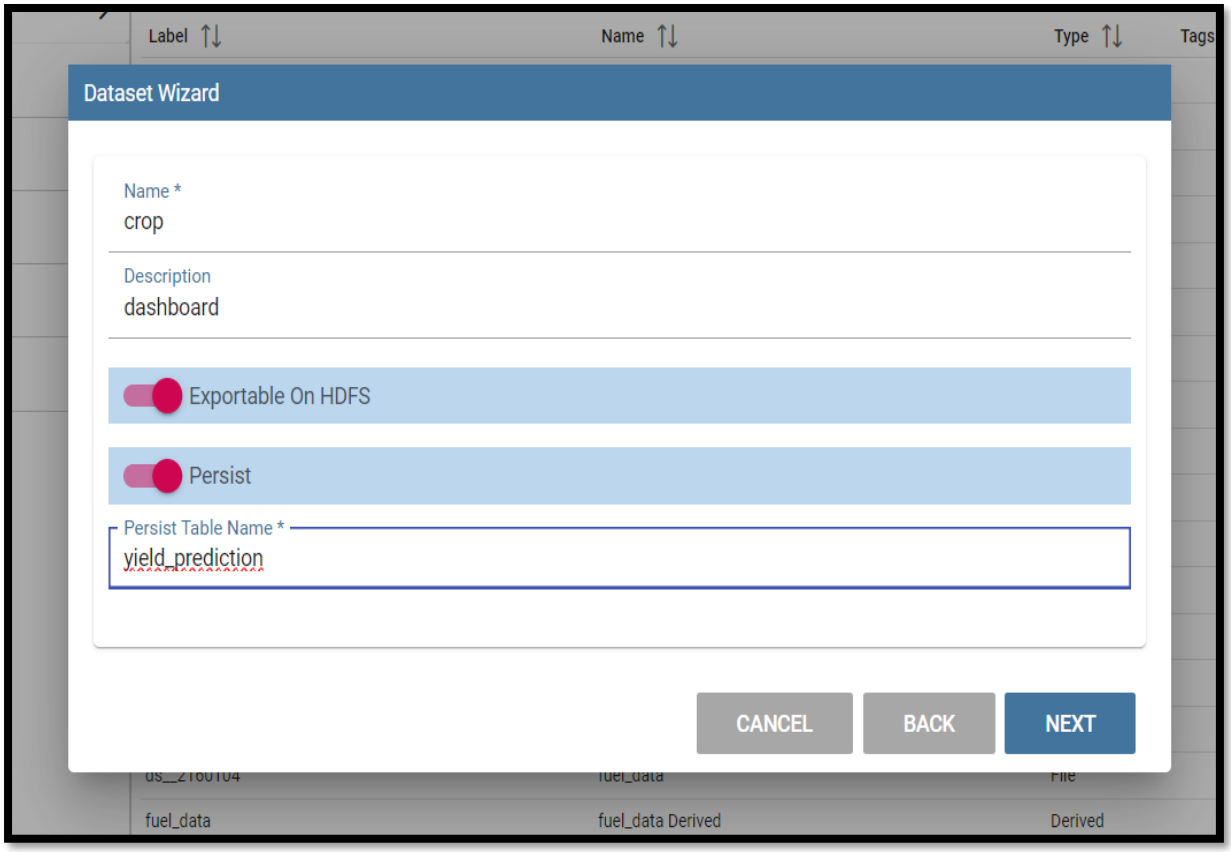

Label
Name
Type
Tags
demo_user_function_catalog_salesOutput
demo_user_function_catalog_salesOutput
File
ds__6943996
USA_geography
File
ds__5242436
USA_state_details
File
Dataset Wizard
File Name
crop_yield.csv
Delimiter Character
,
Quote Character
"
Encoding
UTF-8
Date Format
dd/MM/yyyy
Timestamp Format
dd/MM/yyyy HH:mm:ss
CANCEL
NEXT
EDS_sales Derived_2
Sales data set Derived 23
Derived
ds__1512311
ful_consumption
File
ds__2160104
fuel_data
File
fuel_data
fuel_data Derived
Derived


Dataset Wizard
Field Alias
Type
Field Type
Crop
String
ATTRIBUTE
Crop_Year
Integer
MEASURE
Season
String
ATTRIBUTE
State
String
ATTRIBUTE
Area
Double
MEASURE
Production
Long
MEASURE
CANCEL
BACK
NEXT
fuel_data
fuel_data Derived
Derived

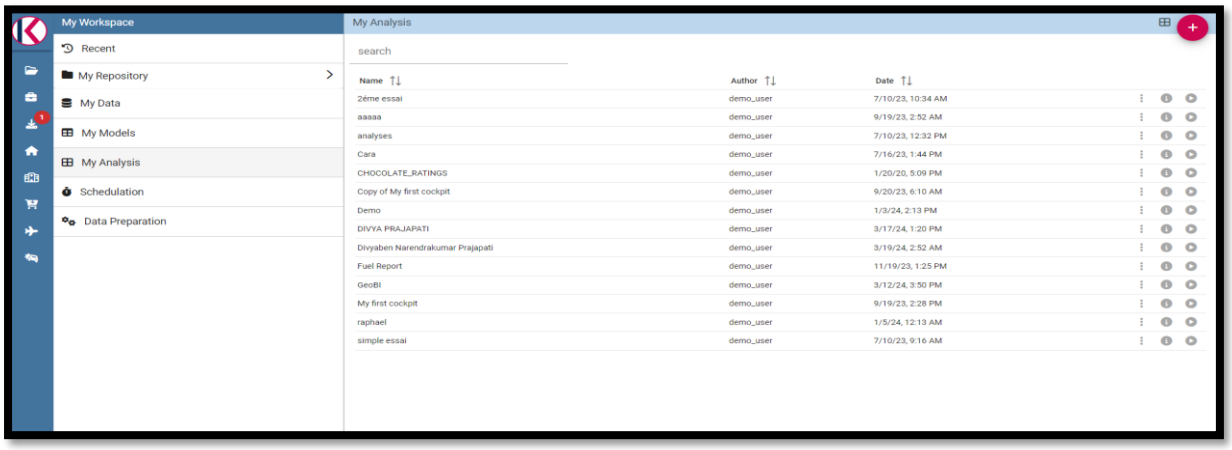

Dataset Wizard
Crop
Crop_Year
Season
State
Area
Production
Annual_Rainfall
Fertilizer
Pesticide
Arecanut 1997 Whole Year Assam 73814 56708 2051.4 7024878.38 22882.34
Arhar/Tur 1997 Kharif Assam 6637 4685 2051.4 631643.29 2057.47
Castor seed 1997 Kharif Assam 796 22 2051.4 75755.32 246.76
Coconut 1997 Whole Year Assam 19656 126905000 2051.4 1870661.52 6093.36
Cotton(lint) 1997 Kharif Assam 1739 794 2051.4 165500.63 539.09
Dry chillies 1997 Whole Year Assam 13587 9073 2051.4 1293074.79 4211.97
Gram 1997 Rabi Assam 2979 1507 2051.4 283511.43 923.49
Jute 1997 Kharif Assam 94520 904095 2051.4 8995468.4 29301.2
Linseed 1997 Rabi Assam 10098 5158 2051.4 961026.66 3130.38
Maize 1997 Kharif Assam 19216 14721 2051.4 1828786.72 5956.96
CANCEL
BACK
NEXT
ds__2160104
fuel_data
File



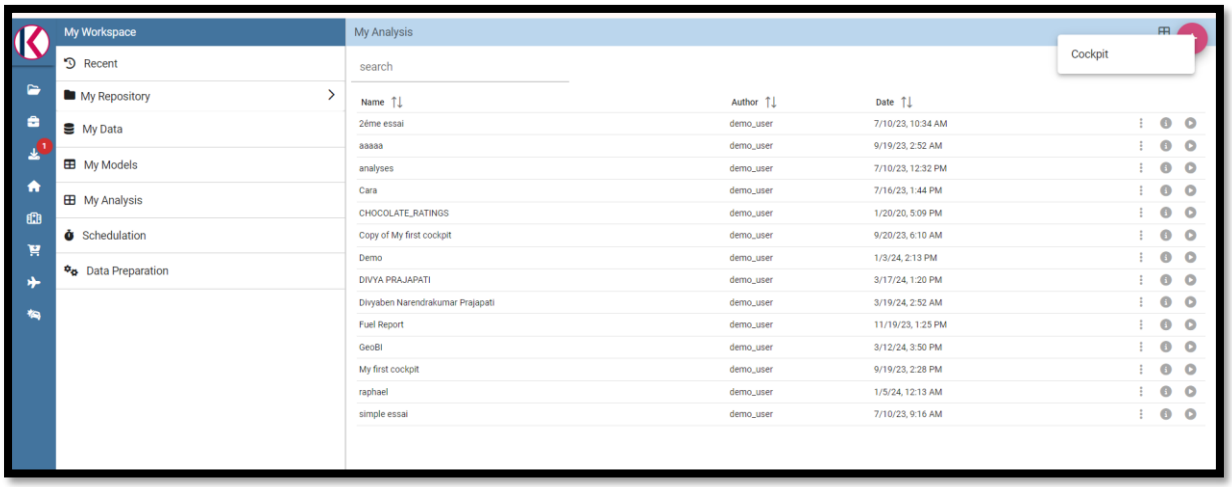
Put the table name, description, and name here.



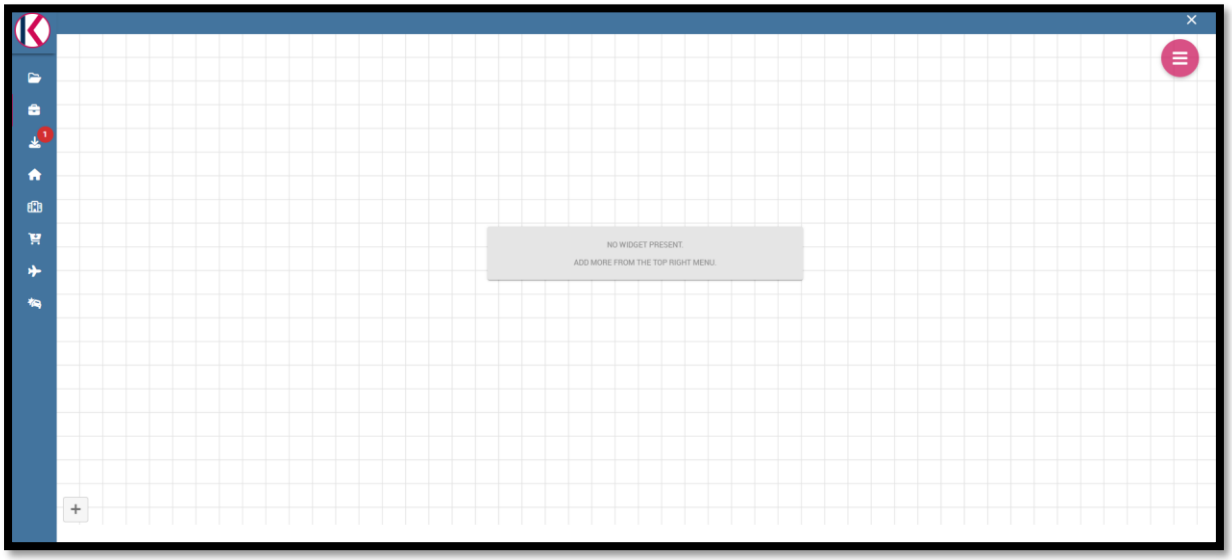
Then select My Analysis tab



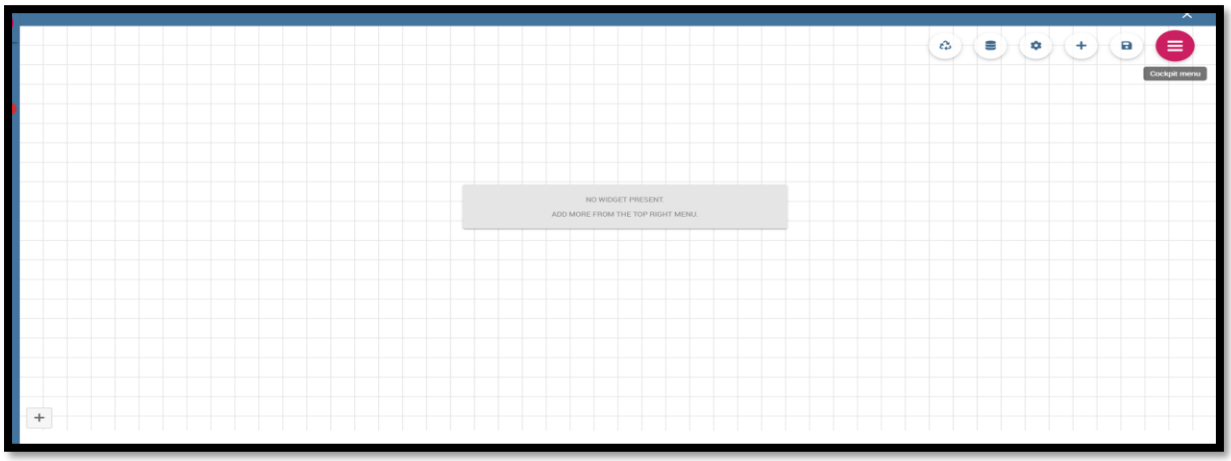
Select the + sign to access the cockpit.



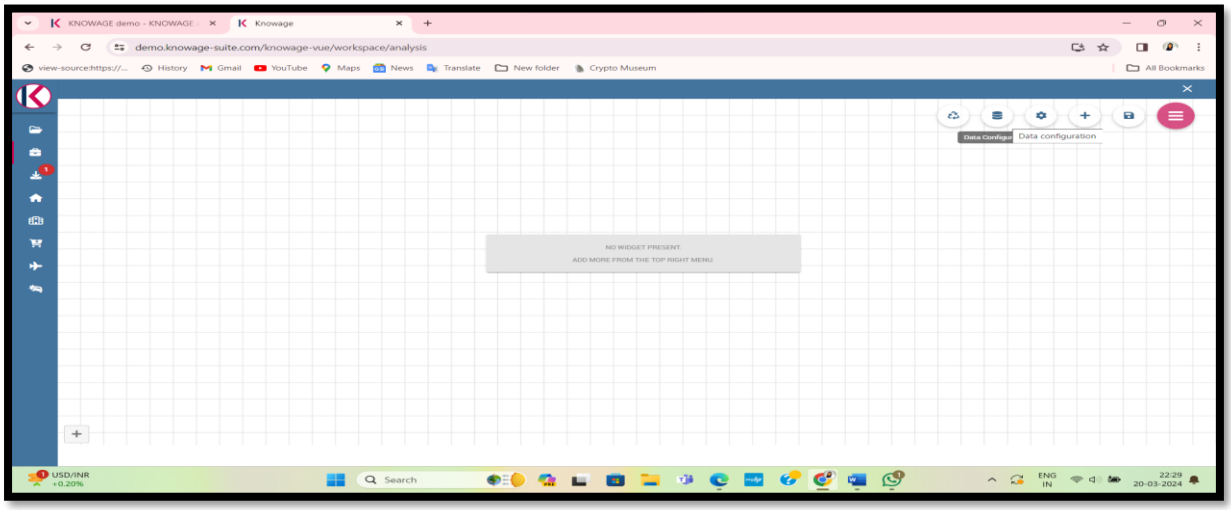
This is how the dashboard backdrop should seem.



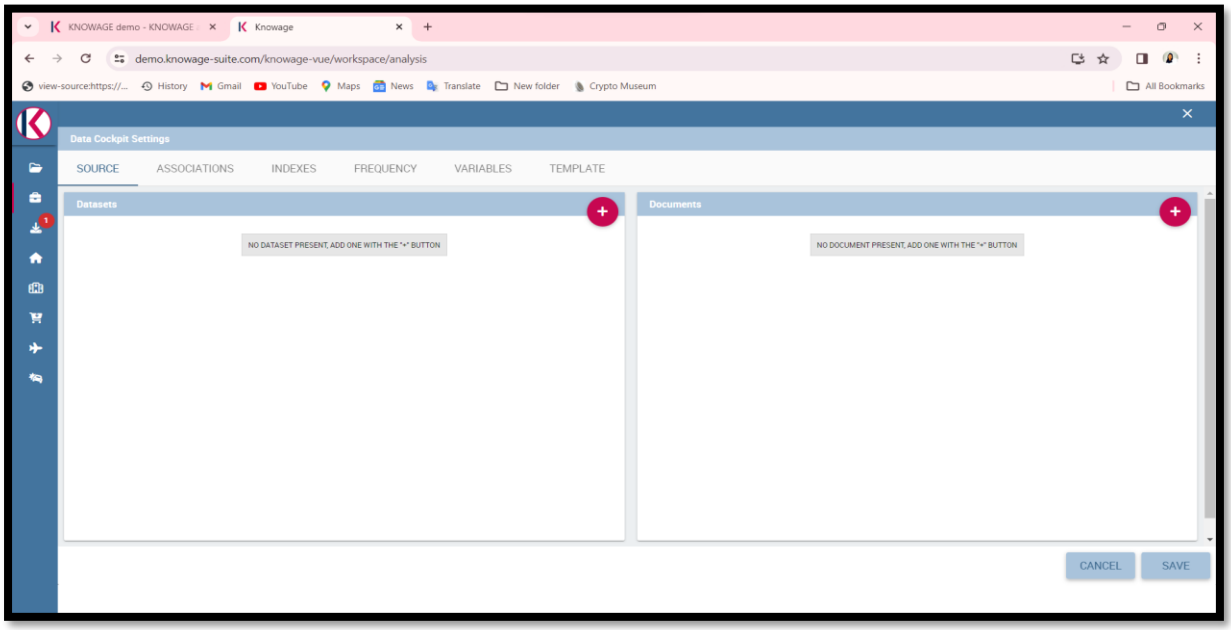
Launch the cockpit's menu.

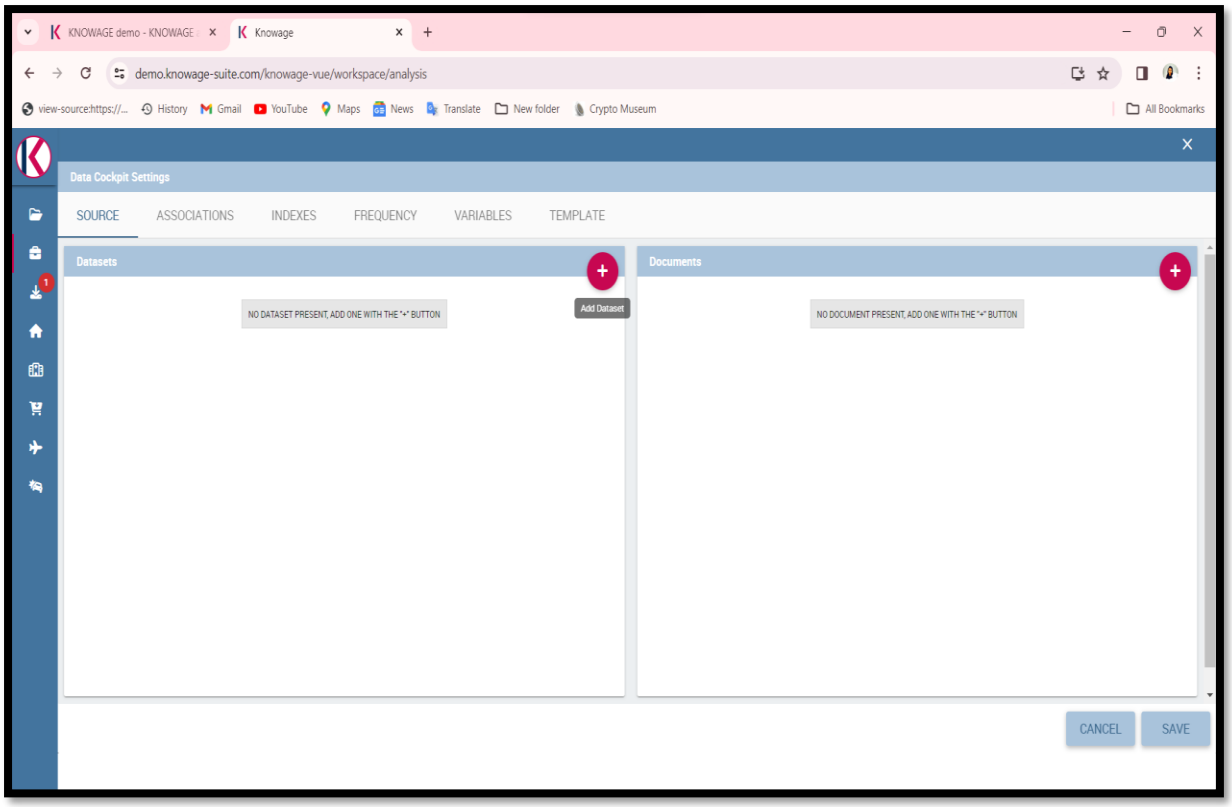


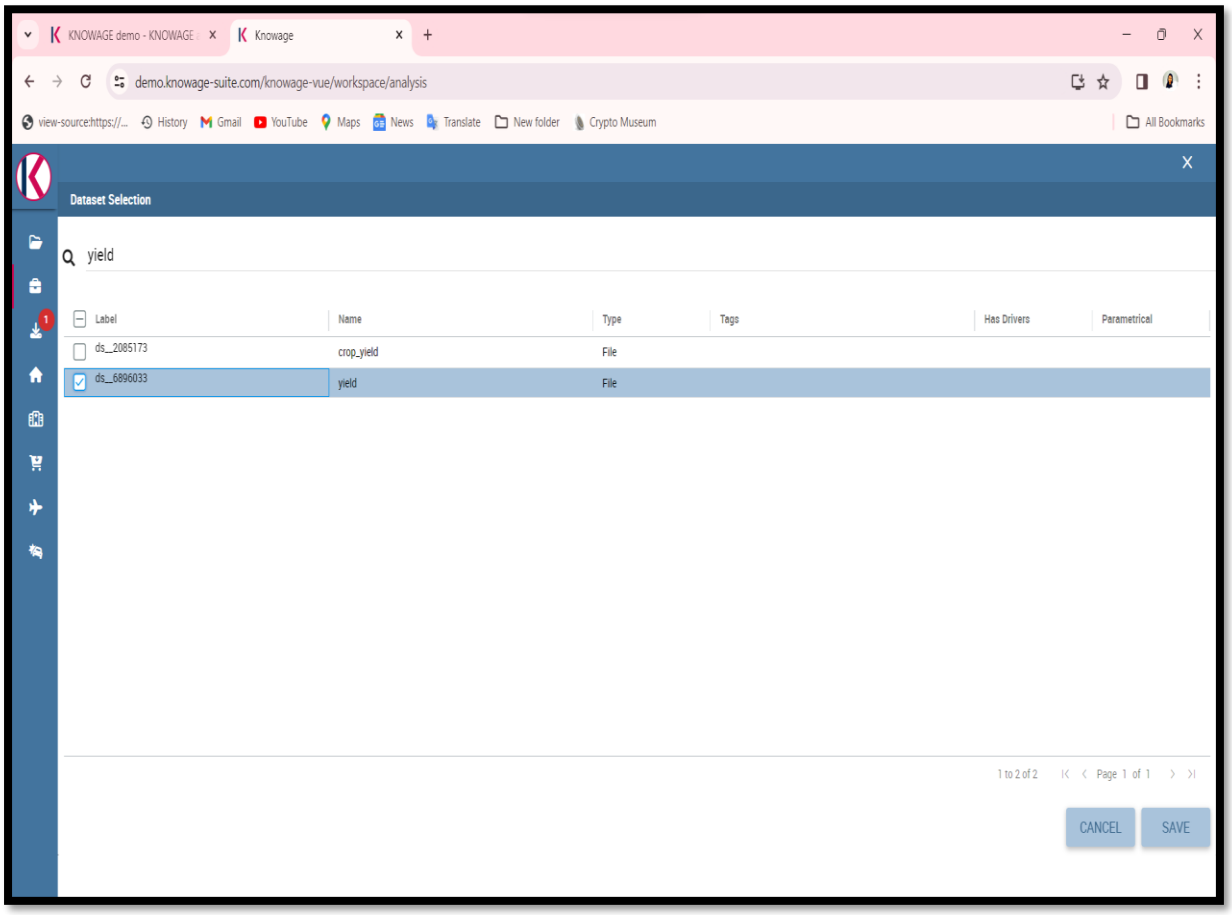
Go to a data configuration tab

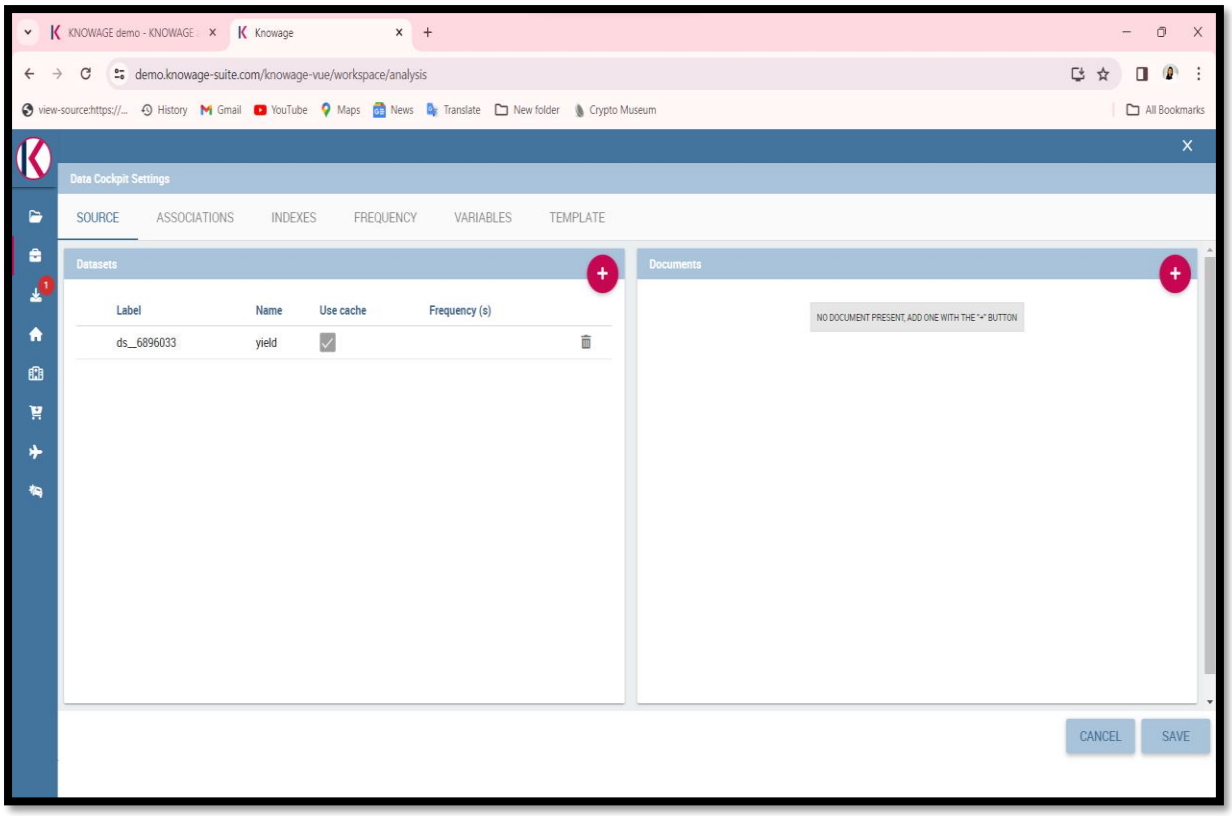


Add a data set

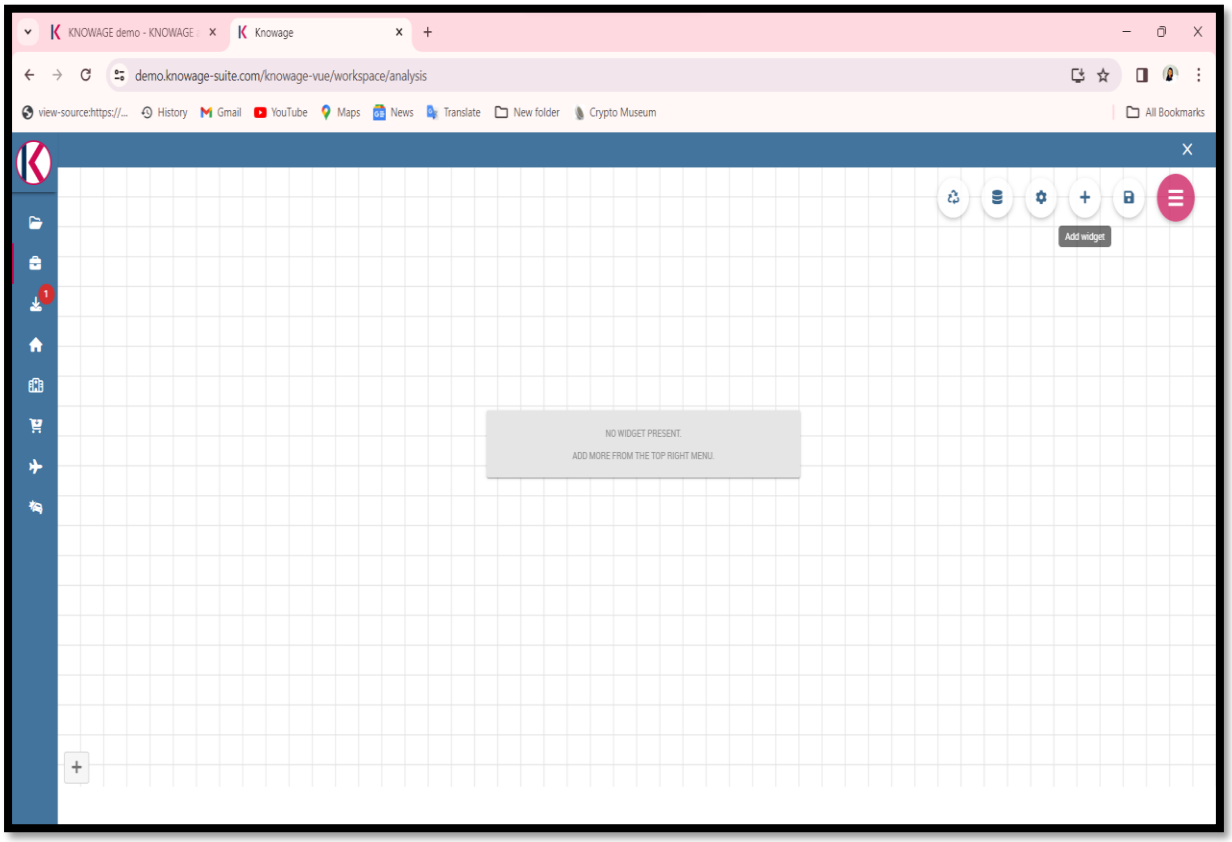



KNOWAGE demo - KNOWAGE
Knowage
demo.knowage-suite.com/knowage-vue/workspace/analysis
Data Cockpit Settings
SOURCE
ASSOCIATIONS
INDEXES
FREQUENCY
VARIABLES
TEMPLATE
Datasets
NO DATASET PRESENT, ADD ONE WITH THE "+" BUTTON
Add Dataset
Documents
NO DOCUMENT PRESENT, ADD ONE WITH THE "+" BUTTON
CANCEL
SAVE

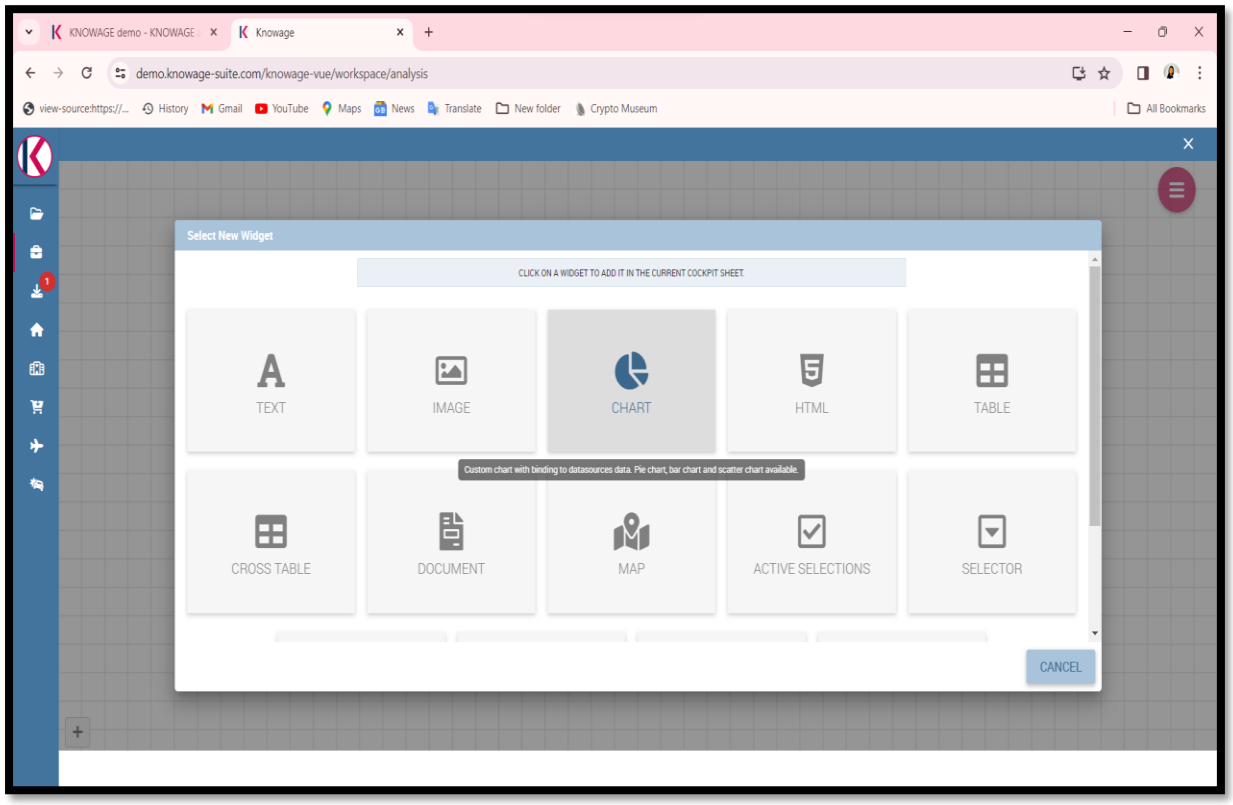

KNOWAGE demo - KNOWAGE
Knowage
demo.knowage-suite.com/knowage-vue/workspace/analysis
Dataset Selection
yield
Label
Name
Type
Tags
Has Drivers
Parametrical
ds__2085173
crop_yield
File
ds__6896033
yield
File
1 to 2 of 2
Page 1 of 1
CANCEL
SAVE



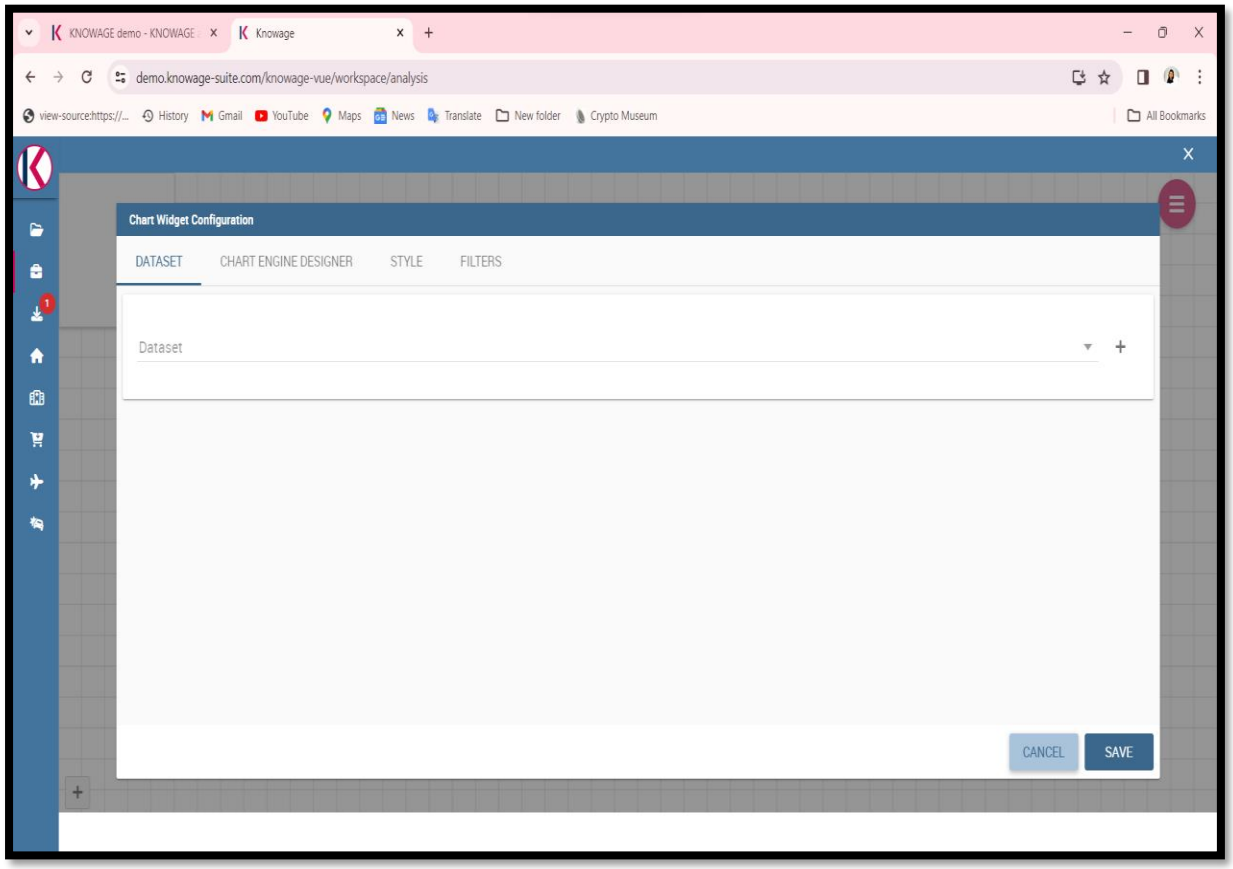
then select the "Add Wings" tab.



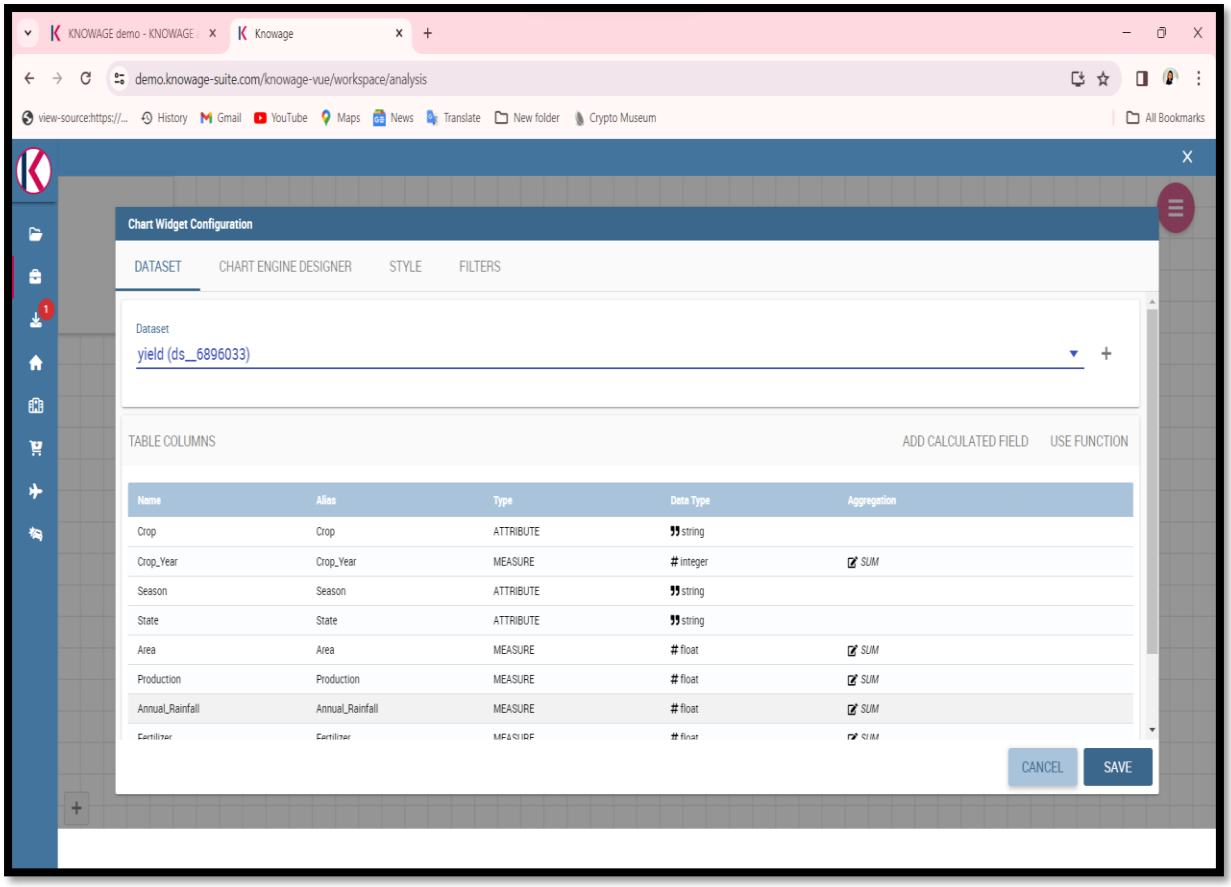
This is how the wings tab should seem.



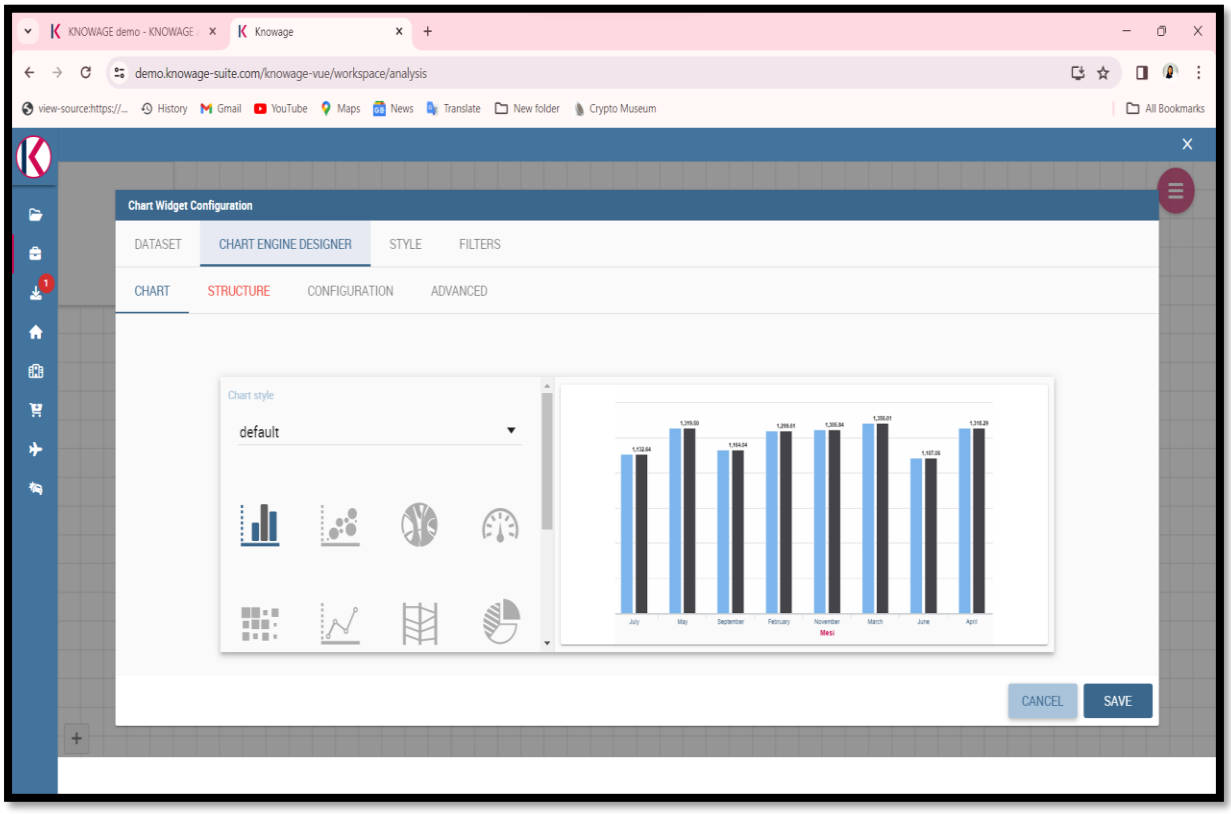
Go to the chart

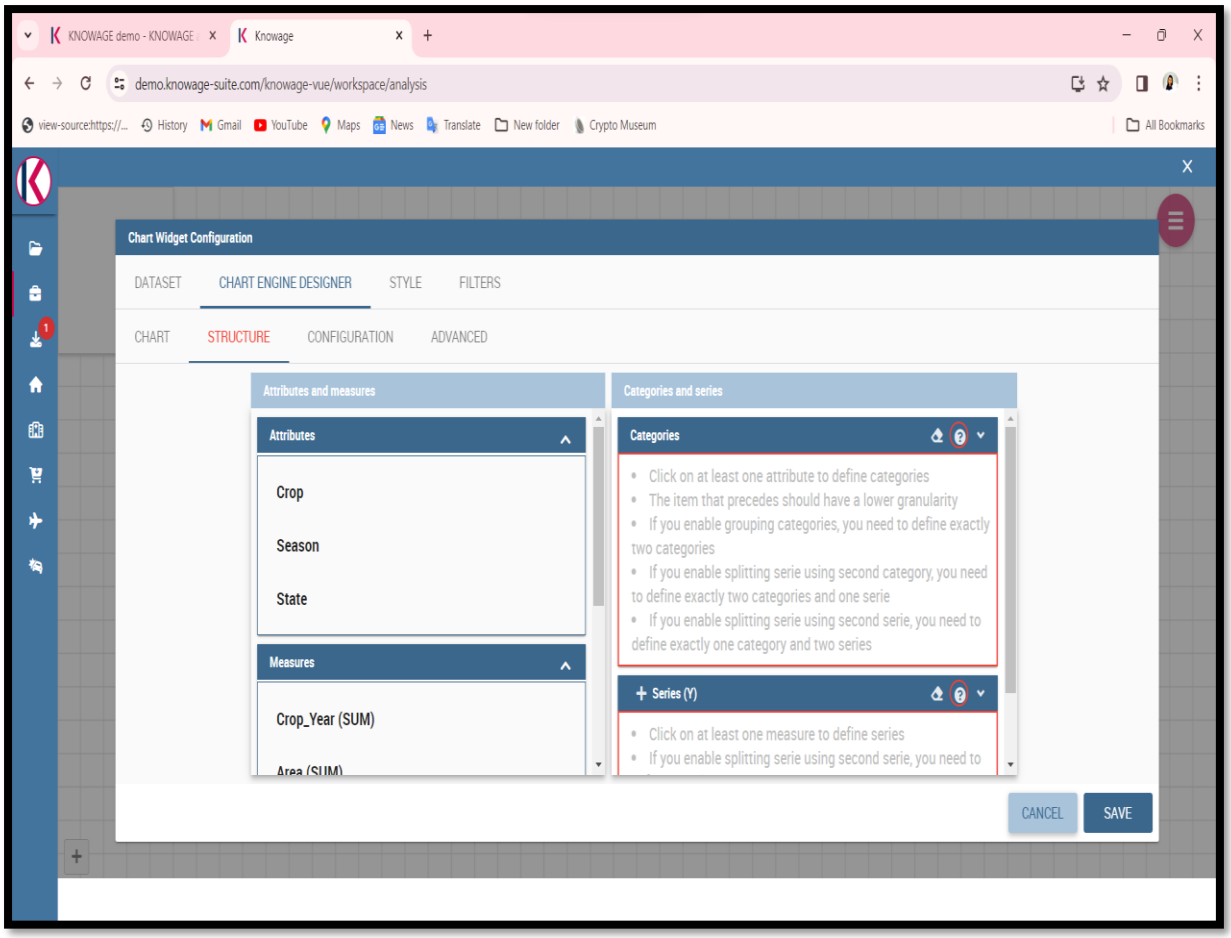


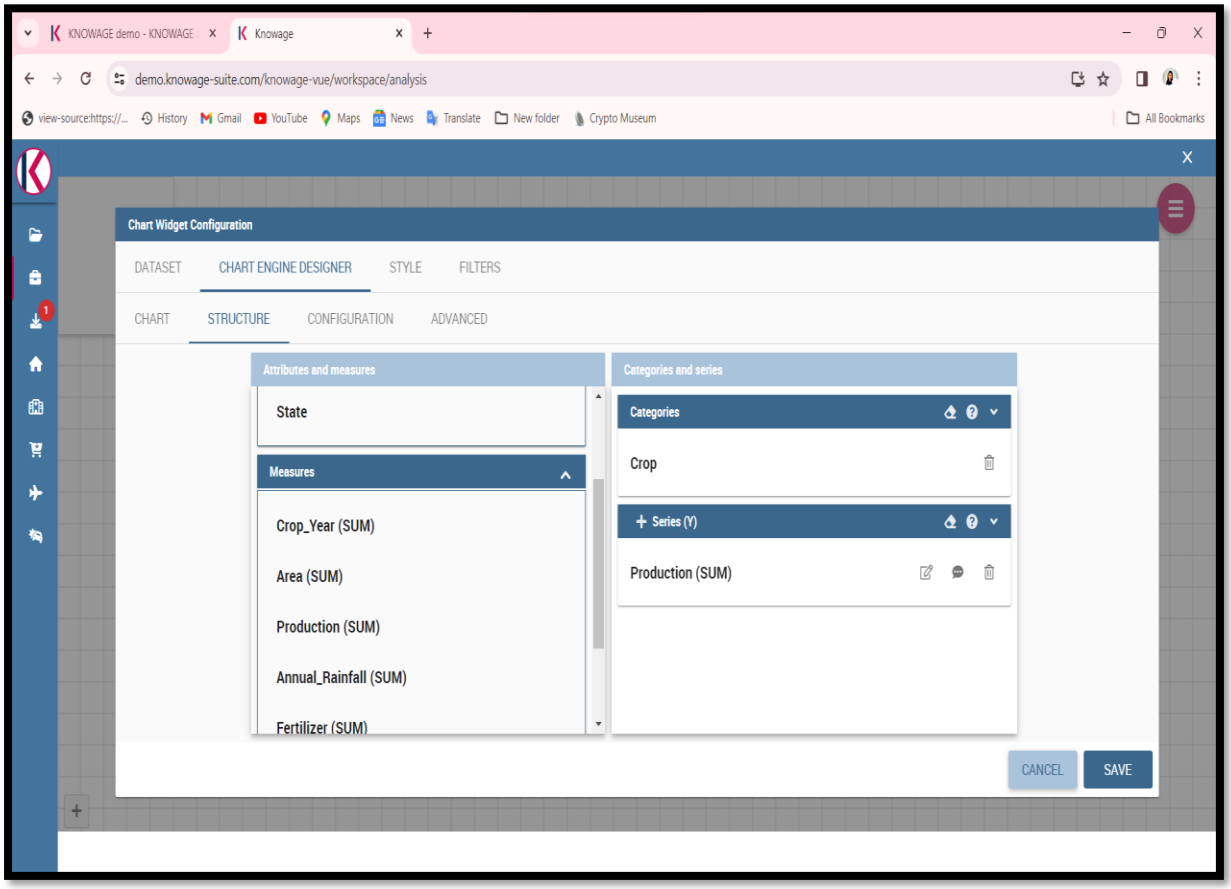
Add a data set

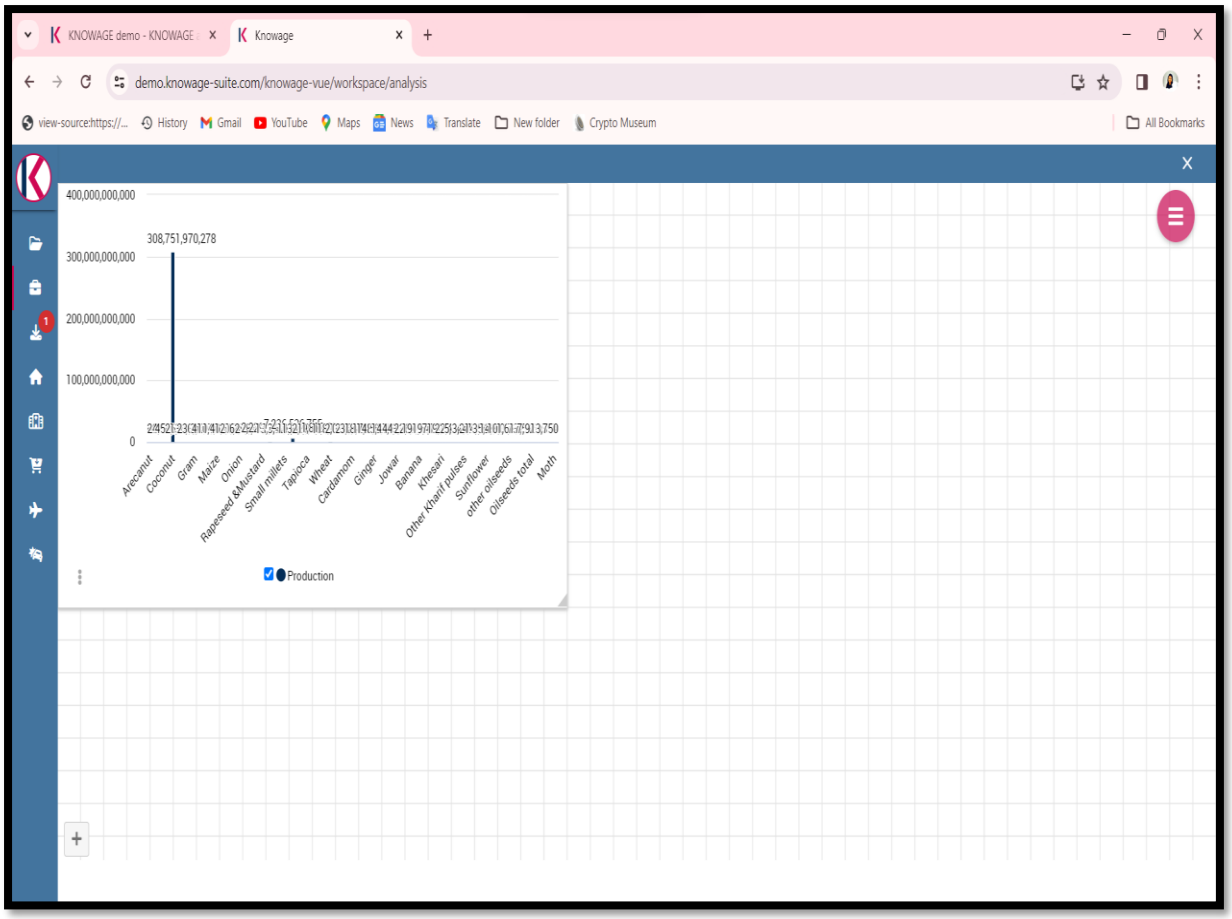


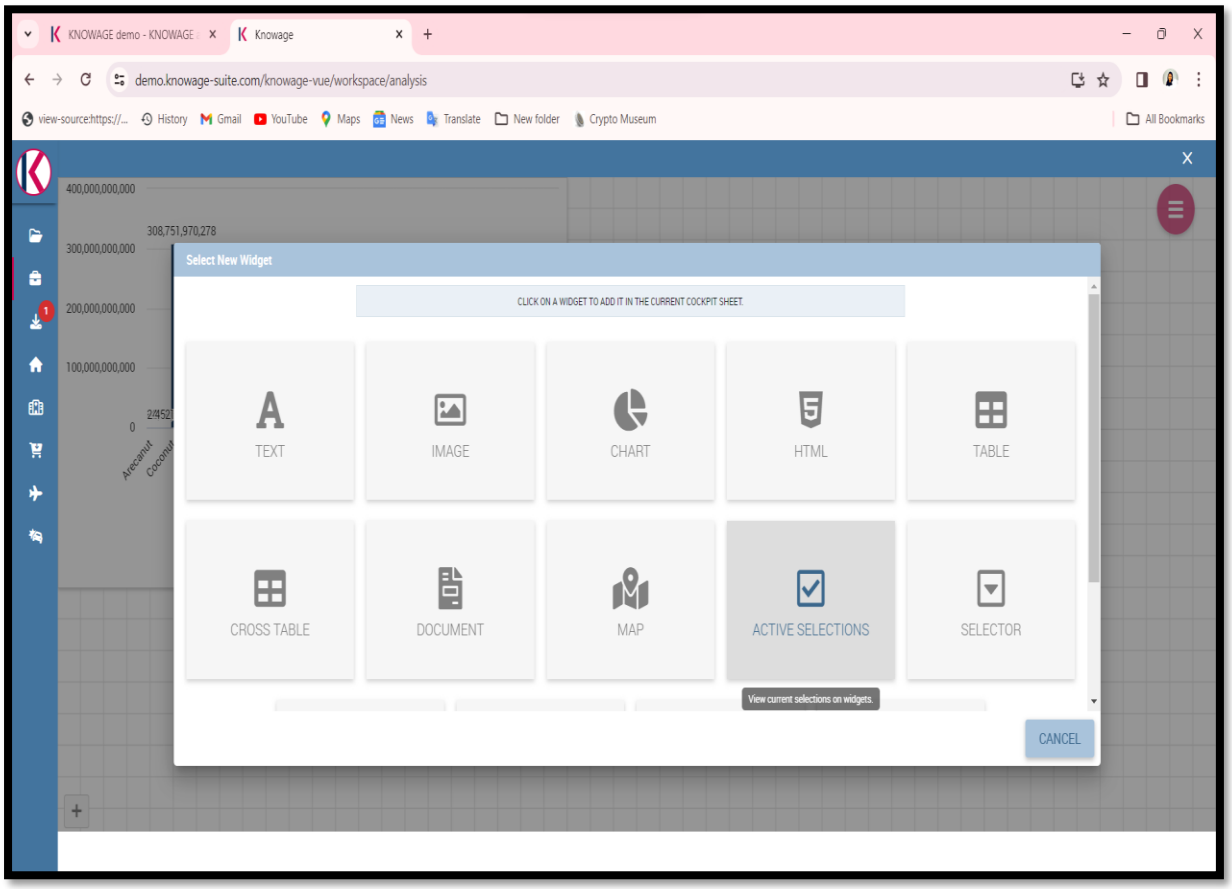
Next, navigate to a chart engine creator and choose any desired chart.

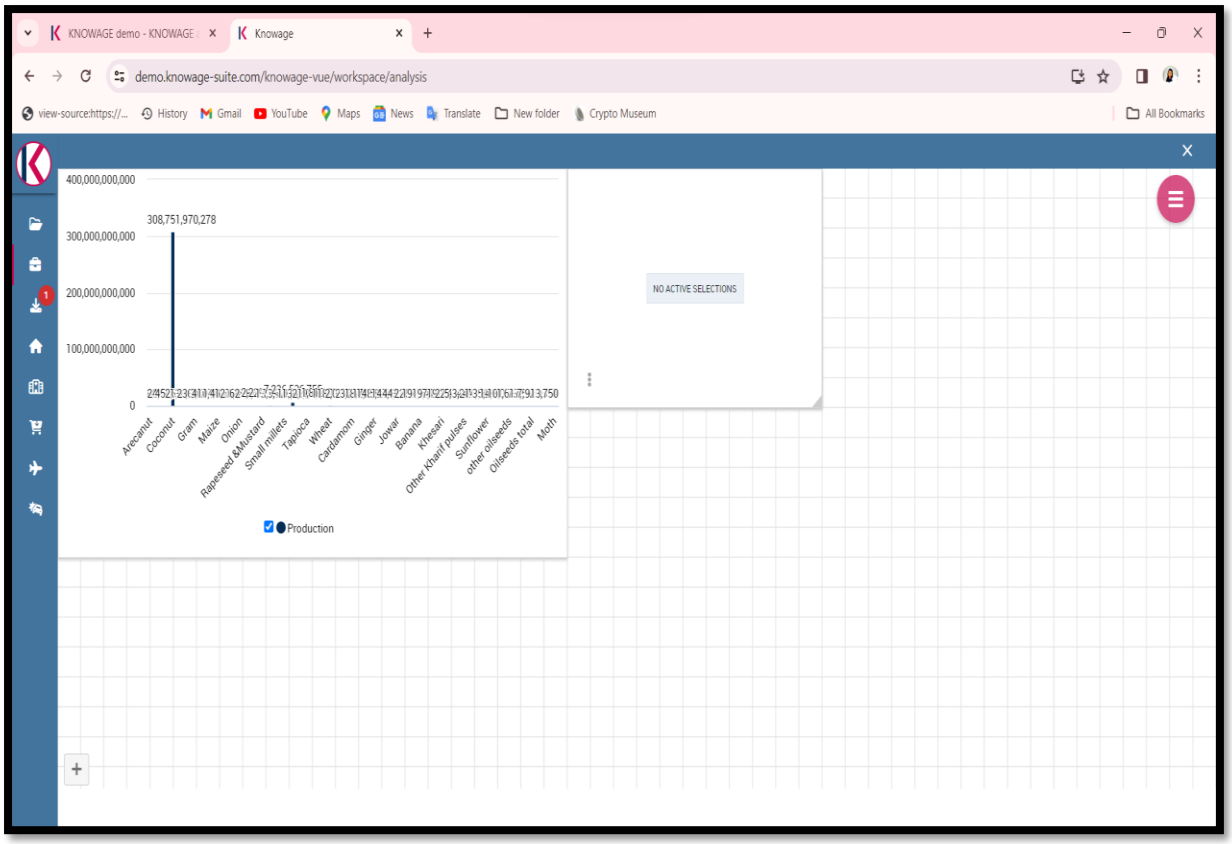


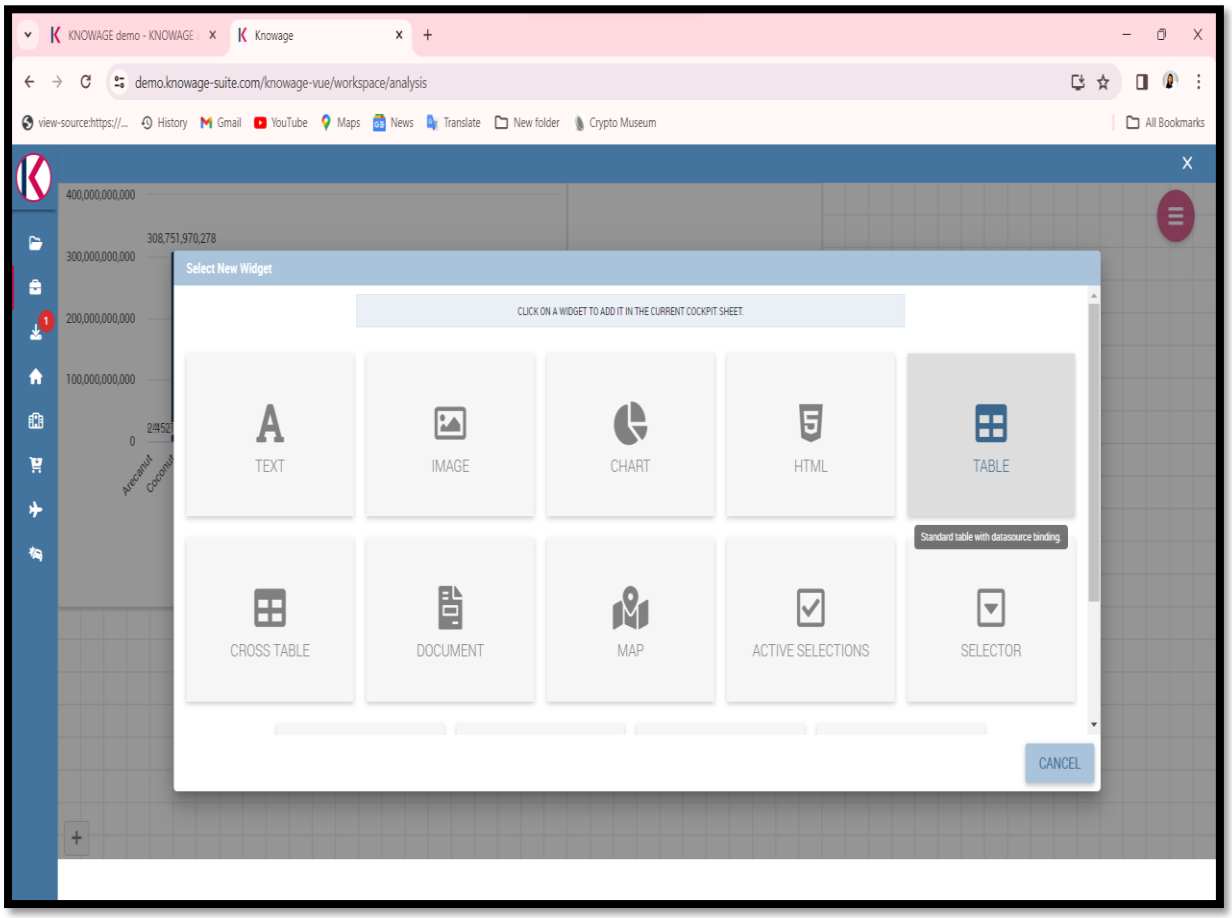

demo.knowage-suite.com/knowage-vue/workspace/analysis
Chart Widget Configuration
DATASET
CHART ENGINE DESIGNER
STYLE
FILTERS
CHART
STRUCTURE
CONFIGURATION
ADVANCED
Attributes and measures
Attributes
Crop
Season
State
Measures
Crop_Year (SUM)
Area (SUM)
Categories and series
Categories
Click on at least one attribute to define categories
The item that precedes should have a lower granularity
If you enable grouping categories, you need to define exactly two categories
If you enable splitting serie using second category, you need to define exactly two categories and one serie
If you enable splitting serie using second serie, you need to define exactly one category and two series
Series (Y)
Click on at least one measure to define series
If you enable splitting serie using second serie, you need to
CANCEL
SAVE

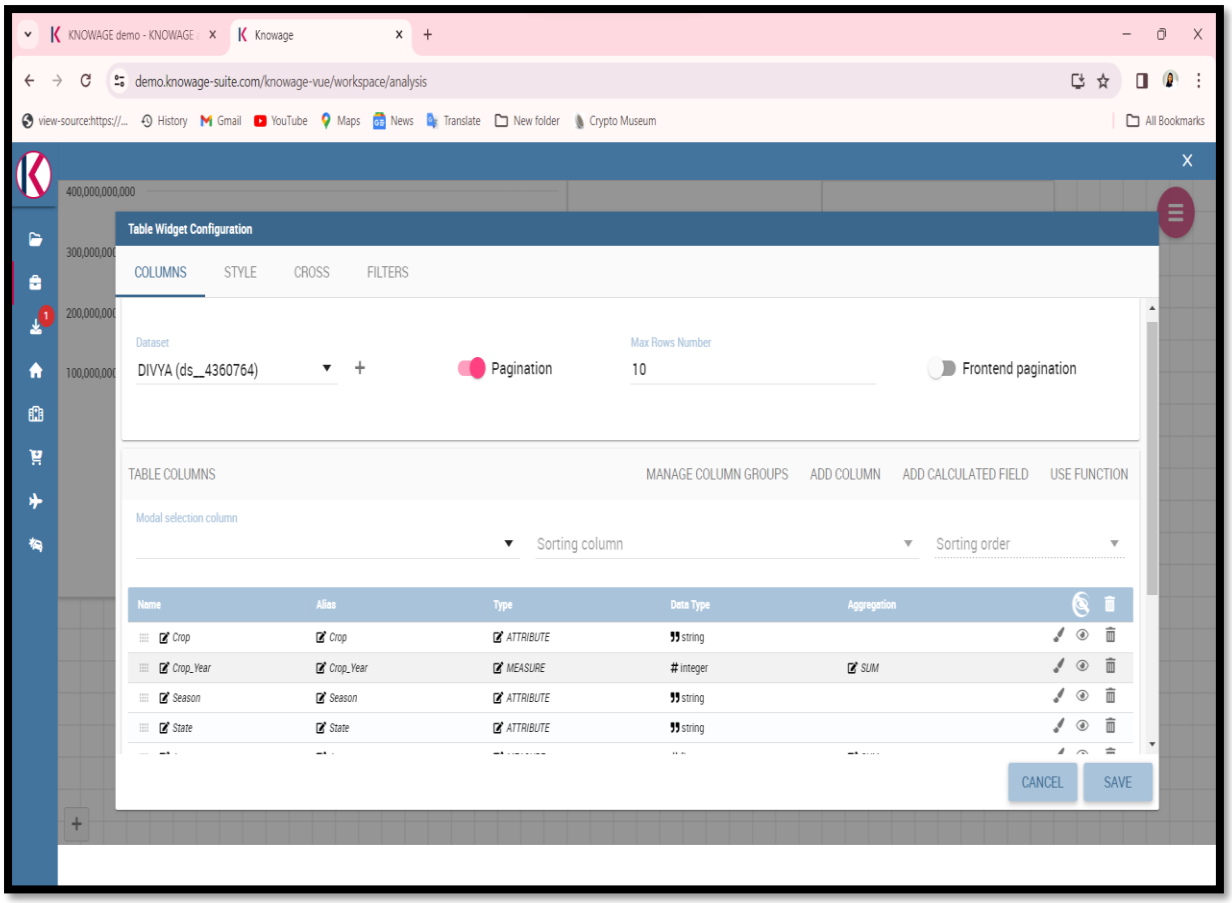

demo.knowage-suite.com/knowage-vue/workspace/analysis
Chart Widget Configuration
DATASET
CHART ENGINE DESIGNER
STYLE
FILTERS
CHART
STRUCTURE
CONFIGURATION
ADVANCED
Attributes and measures
State
Measures
Crop_Year (SUM)
Area (SUM)
Production (SUM)
Annual_Rainfall (SUM)
Fertilizer (SUM)
Categories and series
Categories
Crop
Series (Y)
Production (SUM)
CANCEL
SAVE

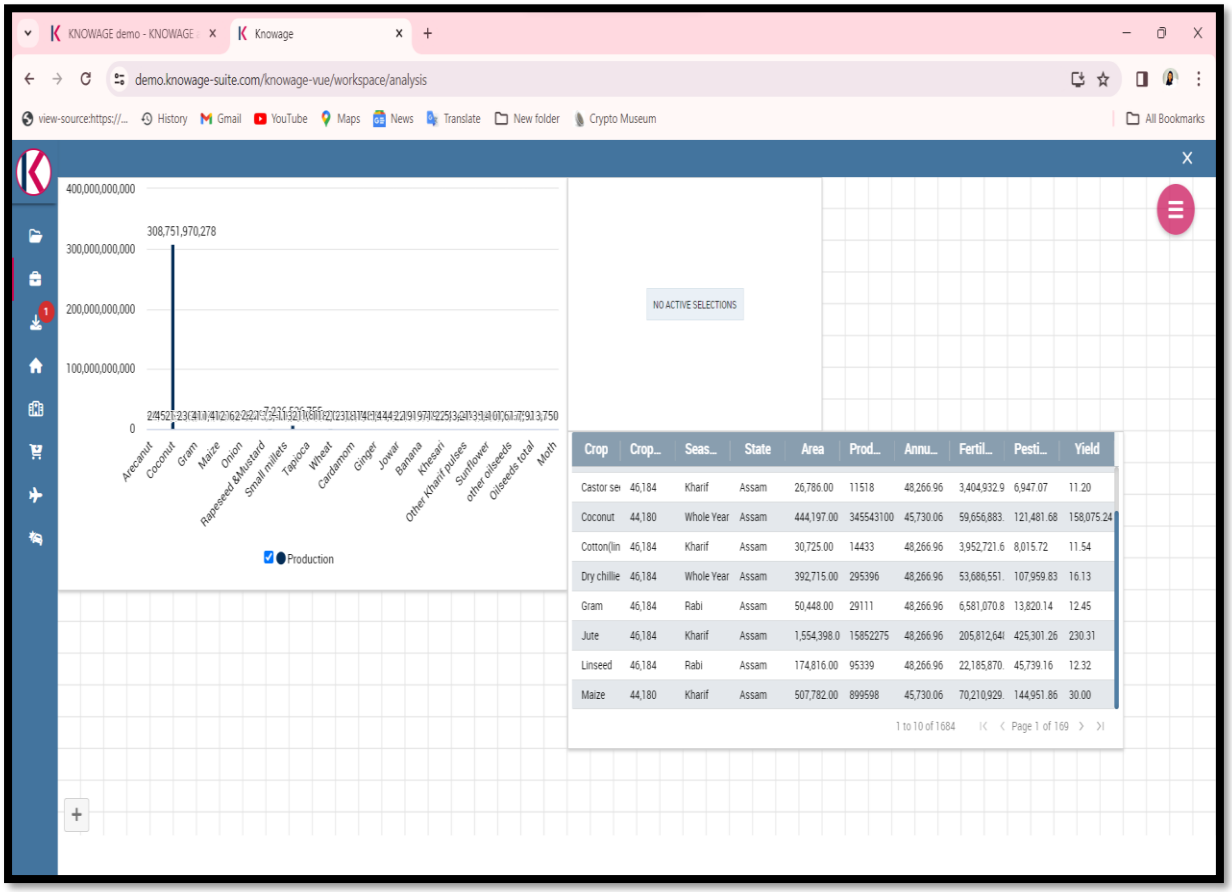

KNOWAGE demo - KNOWAGE
Knowage
demo.knowage-suite.com/knowage-vue/workspace/analysis
400,000,000,000
300,000,000,000
200,000,000,000
100,000,000,000
0
308,751,970,278
Arecanut
Coconut
Gram
Maize
Onion
Rapeseed &Mustard
Small millets
Tapioca
Wheat
Cardamom
Ginger
Jowar
Banana
Khesari
Other Kharif pulses
Sunflower
other oilseeds
Oilseeds total
Moth
Production

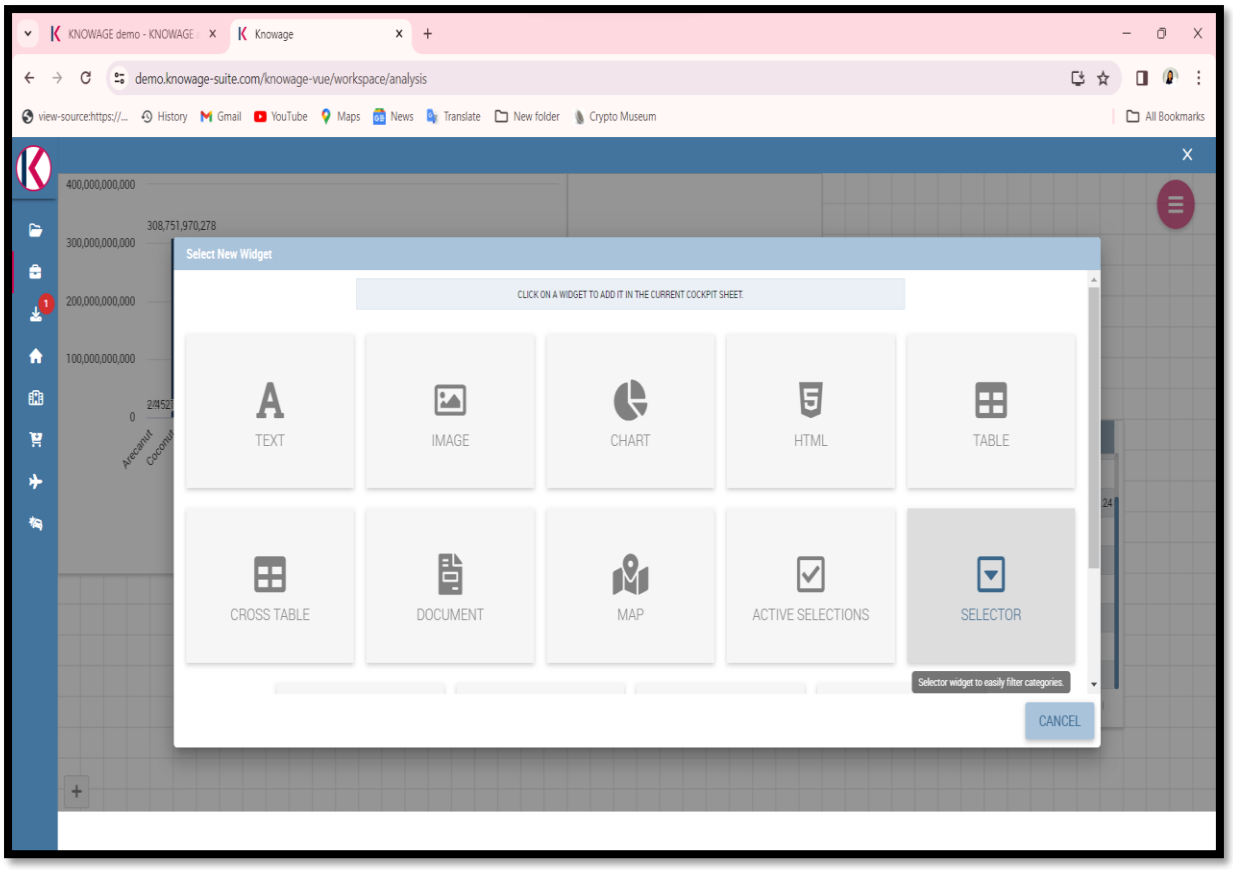

KNOWAGE demo - KNOWAGE
Knowage
demo.knowage-suite.com/knowage-vue/workspace/analysis
Select New Widget
CLICK ON A WIDGET TO ADD IT IN THE CURRENT COCKPIT SHEET.
TEXT
IMAGE
CHART
HTML
TABLE
CROSS TABLE
DOCUMENT
MAP
ACTIVE SELECTIONS
SELECTOR
View current selections on widgets.
CANCEL


KNOWAGE demo - KNOWAGE
Knowage
demo.knowage-suite.com/knowage-vue/workspace/analysis
400,000,000,000
300,000,000,000
200,000,000,000
100,000,000,000
0
308,751,970,278
NO ACTIVE SELECTIONS
Arecanut
Coconut
Gram
Maize
Onion
Rapeseed &Mustard
Small millets
Tapioca
Wheat
Cardamom
Ginger
Jowar
Banana
Khesari
Other Kharif pulses
Sunflower
other oilseeds
Oilseeds total
Moth
Production

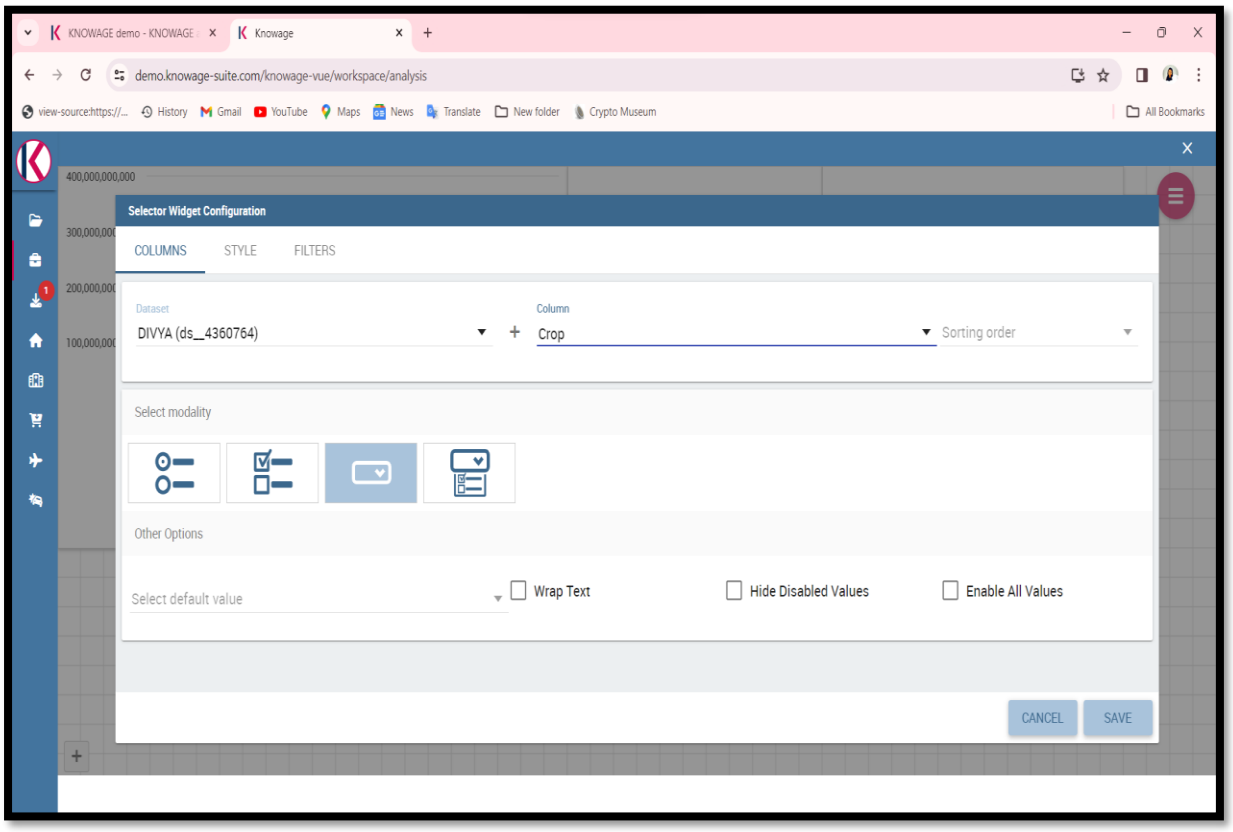

KNOWAGE demo - KNOWAGE
Knowage
demo.knowage-suite.com/knowage-vue/workspace/analysis
Select New Widget
CLICK ON A WIDGET TO ADD IT IN THE CURRENT COCKPIT SHEET
TEXT
IMAGE
CHART
HTML
TABLE
Standard table with datasource binding.
CROSS TABLE
DOCUMENT
MAP
ACTIVE SELECTIONS
SELECTOR
CANCEL

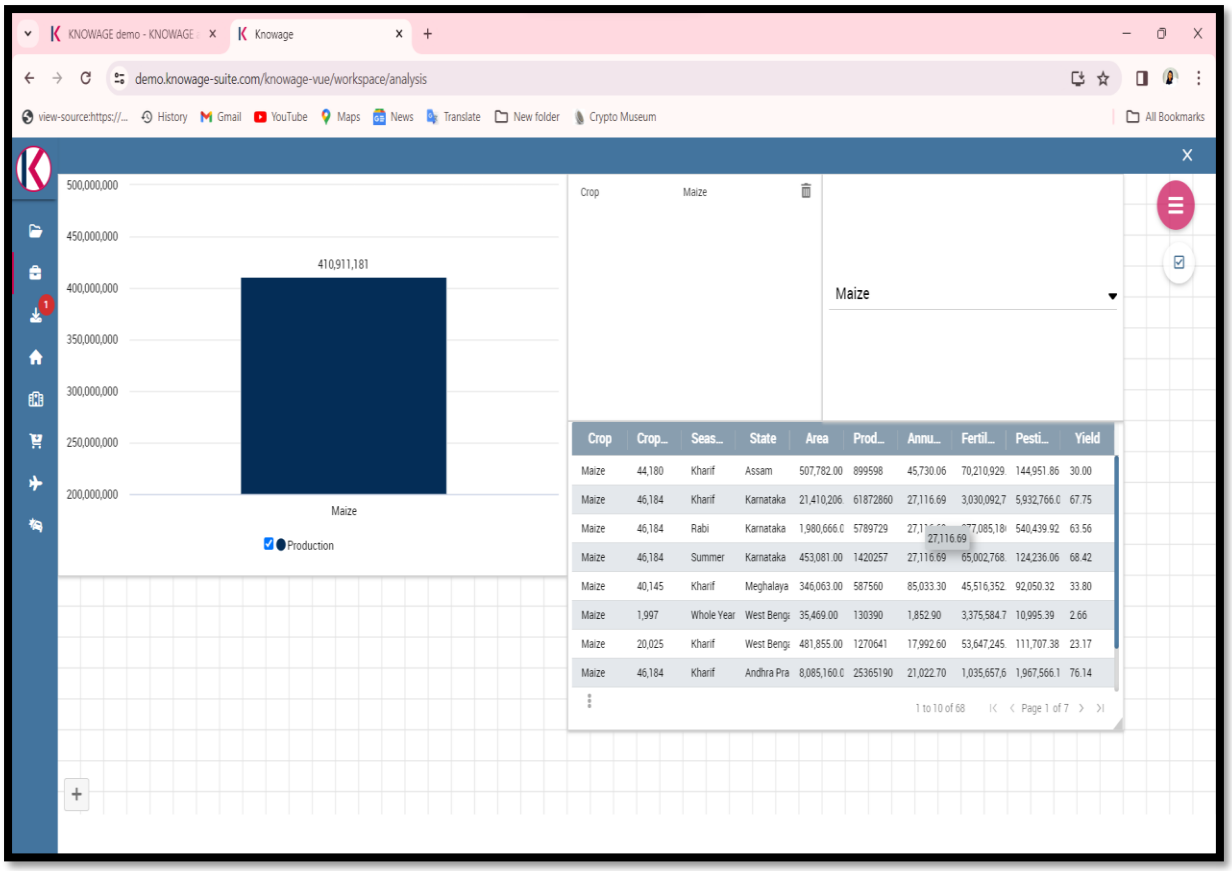

KNOWAGE demo - KNOWAGE
Knowage
demo.knowage-suite.com/knowage-vue/workspace/analysis
Table Widget Configuration
COLUMNS
STYLE
CROSS
FILTERS
Dataset
DIVYA (ds__4360764)
Pagination
Max Rows Number
10
Frontend pagination
TABLE COLUMNS
MANAGE COLUMN GROUPS
ADD COLUMN
ADD CALCULATED FIELD
USE FUNCTION
Modal selection column
Sorting column
Sorting order
Name
Alias
Type
Data Type
Aggregation
Crop
Crop_Year
Season
State
ATTRIBUTE
MEASURE
string
integer
SUM
CANCEL
SAVE

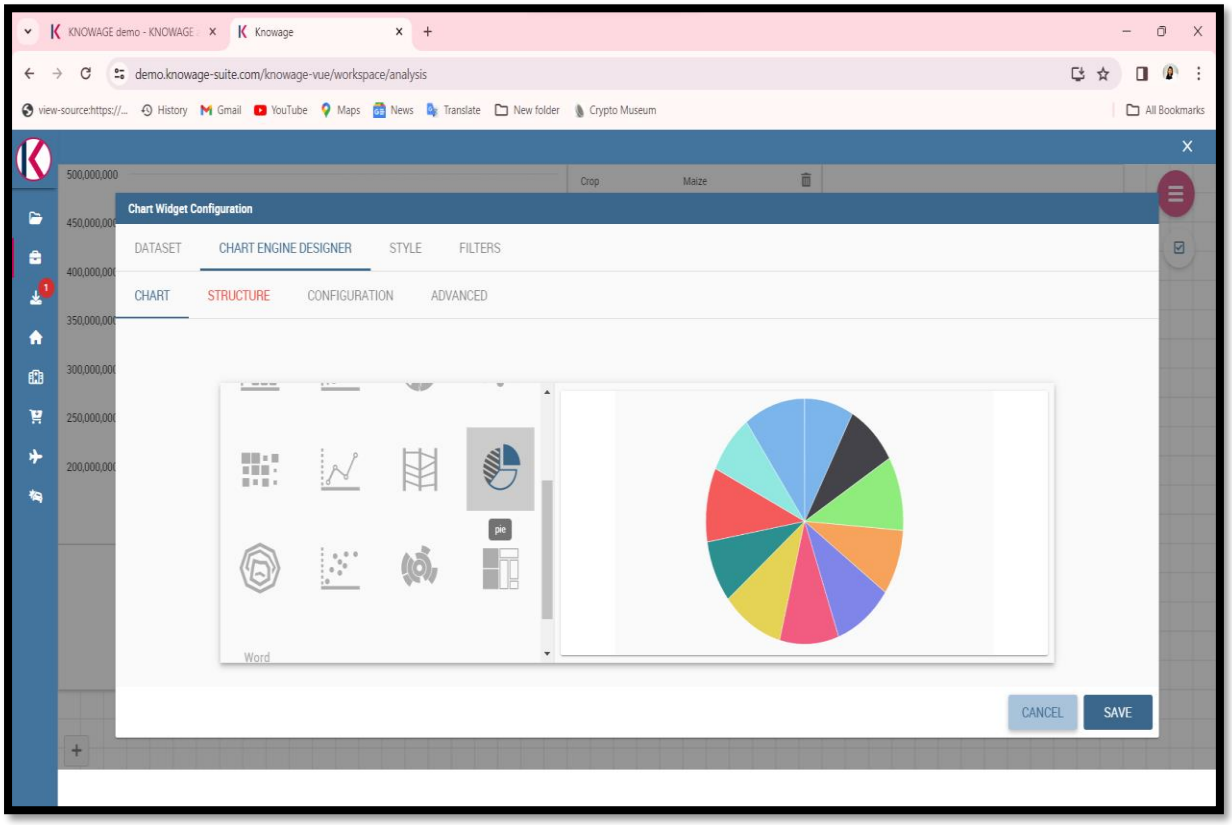

KNOWAGE demo - KNOWAGE
Knowage
demo.knowage-suite.com/knowage-vue/workspace/analysis
400,000,000,000
300,000,000,000
200,000,000,000
100,000,000,000
0
308,751,970,278
Arecanut
Coconut
Gram
Maize
Onion
Rapeseed &Mustard
Small millets
Tapioca
Wheat
Cardamom
Ginger
Jowar
Banana
Khesari
Other Kharif pulses
Sunflower
other oilseeds
Oilseeds total
Moth
Production
NO ACTIVE SELECTIONS
Crop
Crop...
Seas...
State
Area
Prod...
Annu...
Fertil...
Pesti...
Yield
Castor se 46,184 Kharif Assam 26,786.00 11518 48,266.96 3,404,932.9 6,947.07 11.20
Coconut 44,180 Whole Year Assam 444,197.00 345543100 45,730.06 59,656,883. 121,481.68 158,075.24
Cotton(lin 46,184 Kharif Assam 30,725.00 14433 48,266.96 3,952,721.6 8,015.72 11.54
Dry chillie 46,184 Whole Year Assam 392,715.00 295396 48,266.96 53,686,551. 107,959.83 16.13
Gram 46,184 Rabi Assam 50,448.00 29111 48,266.96 6,581,070.8 13,820.14 12.45
Jute 46,184 Kharif Assam 1,554,398.0 15852275 48,266.96 205,812,64 425,301.26 230.31
Linseed 46,184 Rabi Assam 174,816.00 95339 48,266.96 22,185,870. 45,739.16 12.32
Maize 44,180 Kharif Assam 507,782.00 899598 45,730.06 70,210,929. 144,951.86 30.00
1 to 10 of 1684
Page 1 of 169

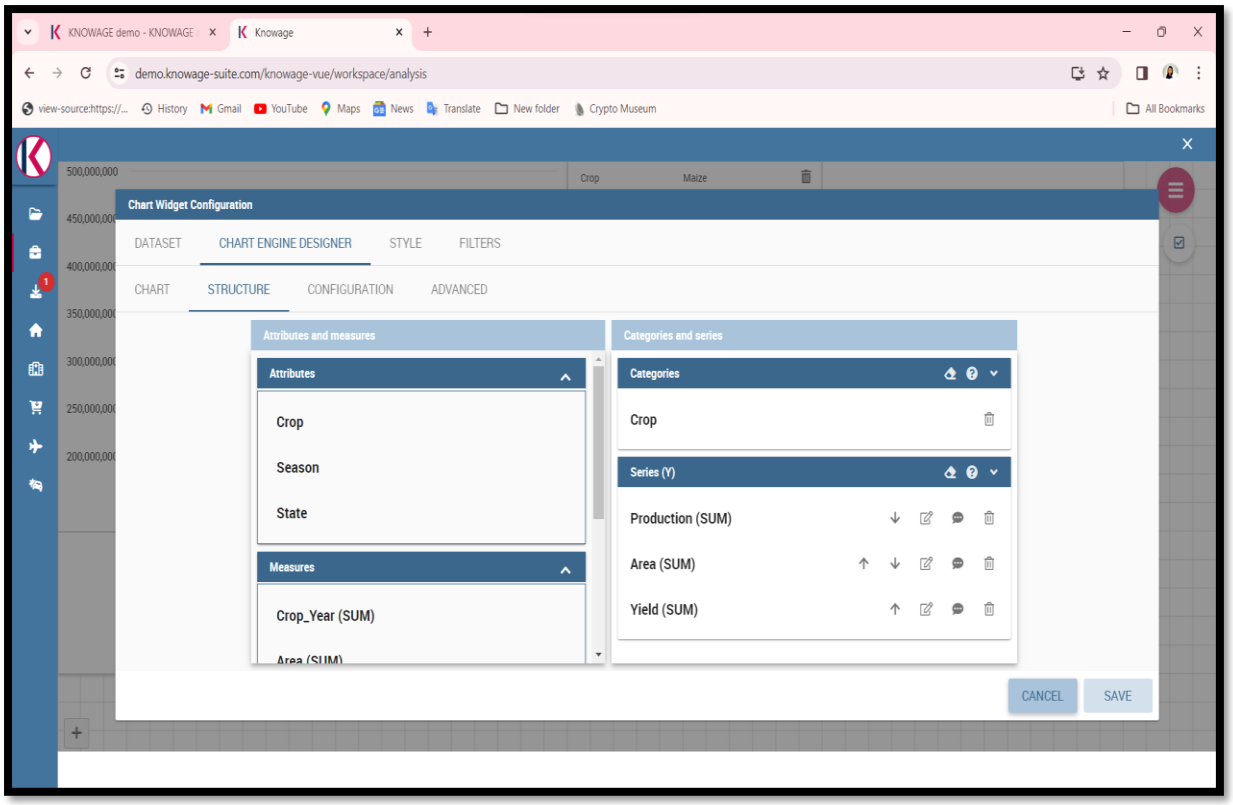


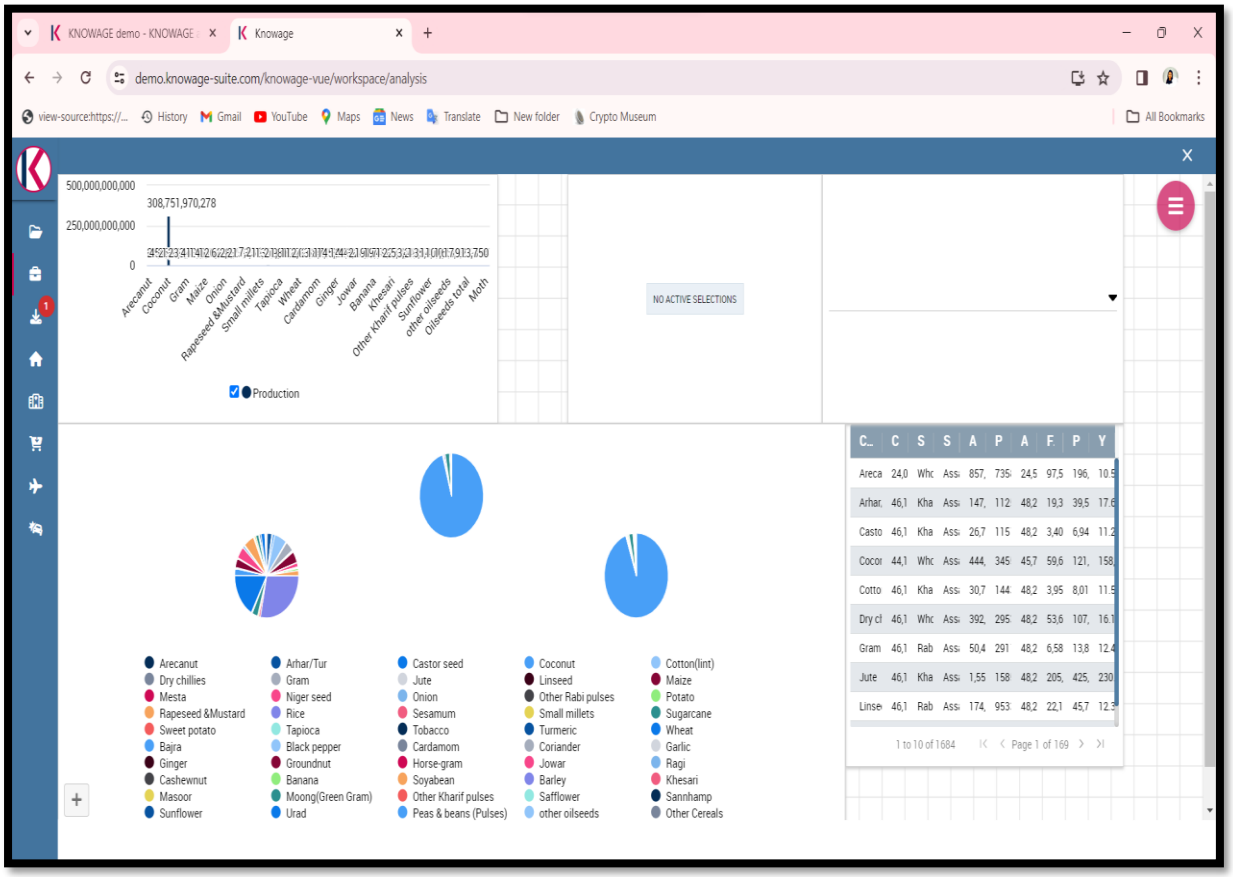
They are naturally linked to one another.




demo.knowage-suite.com/knowage-vue/workspace/analysis
410,911,181
Maize
Production
Crop
Maize
Maize
Crop | Crop... | Seas... | State | Area | Prod... | Annu... | Fertil... | Pesti... | Yield
Maize | 44,180 | Kharif | Assam | 507,782.00 | 899598 | 45,730.06 | 70,210,929. | 144,951.86 | 30.00
Maize | 46,184 | Kharif | Karnataka | 21,410,206. | 61872860 | 27,116.69 | 3,030,092,7 | 5,932,766.0 | 67.75
Maize | 46,184 | Rabi | Karnataka | 1,980,666.0 | 5789729 | 27,116.69 | 277,085,18 | 540,439.92 | 63.56
Maize | 46,184 | Summer | Karnataka | 453,081.00 | 1420257 | 27,116.69 | 65,002,768. | 124,236.06 | 68.42
Maize | 40,145 | Kharif | Meghalaya | 346,063.00 | 587560 | 85,033.30 | 45,516,352. | 92,050.32 | 33.80
Maize | 1,997 | Whole Year | West Beng | 35,469.00 | 130390 | 1,852.90 | 3,375,584.7 | 10,995.39 | 2.66
Maize | 20,025 | Kharif | West Beng | 481,855.00 | 1270641 | 17,992.60 | 53,647,245. | 111,707.38 | 23.17
Maize | 46,184 | Kharif | Andhra Pra | 8,085,160.0 | 25365190 | 21,022.70 | 1,035,657,6 | 1,967,566.1 | 76.14
1 to 10 of 68
Page 1 of 7


demo.knowage-suite.com/knowage-vue/workspace/analysis
Chart Widget Configuration
DATASET
CHART ENGINE DESIGNER
STYLE
FILTERS
CHART
STRUCTURE
CONFIGURATION
ADVANCED
pie
Word
CANCEL
SAVE


KNOWAGE demo - KNOWAGE
Knowage
demo.knowage-suite.com/knowage-vue/workspace/analysis
Chart Widget Configuration
DATASET
CHART ENGINE DESIGNER
STYLE
FILTERS
CHART
STRUCTURE
CONFIGURATION
ADVANCED
Attributes and measures
Attributes
Crop
Season
State
Measures
Crop_Year (SUM)
Categories and series
Categories
Crop
Series (Y)
Production (SUM)
Area (SUM)
Yield (SUM)
CANCEL
SAVE


KNOWAGE demo - KNOWAGE
Knowage
demo.knowage-suite.com/knowage-vue/workspace/analysis
308,751,970,278
Production
NO ACTIVE SELECTIONS
Arecanut
Dry chillies
Mesta
Rapeseed &Mustard
Sweet potato
Bajra
Ginger
Cashewnut
Masoor
Sunflower
Arhar/Tur
Gram
Niger seed
Rice
Tapioca
Black pepper
Groundnut
Banana
Moong(Green Gram)
Urad
Castor seed
Jute
Onion
Sesamum
Tobacco
Cardamom
Horse-gram
Soyabean
Other Kharif pulses
Peas & beans (Pulses)
Coconut
Linseed
Other Rabi pulses
Small millets
Turmeric
Coriander
Jowar
Barley
Safflower
other oilseeds
Cotton(lint)
Maize
Potato
Sugarcane
Wheat
Garlic
Ragi
Khesari
Sannhamp
Other Cereals

Keep the dashboard saved.