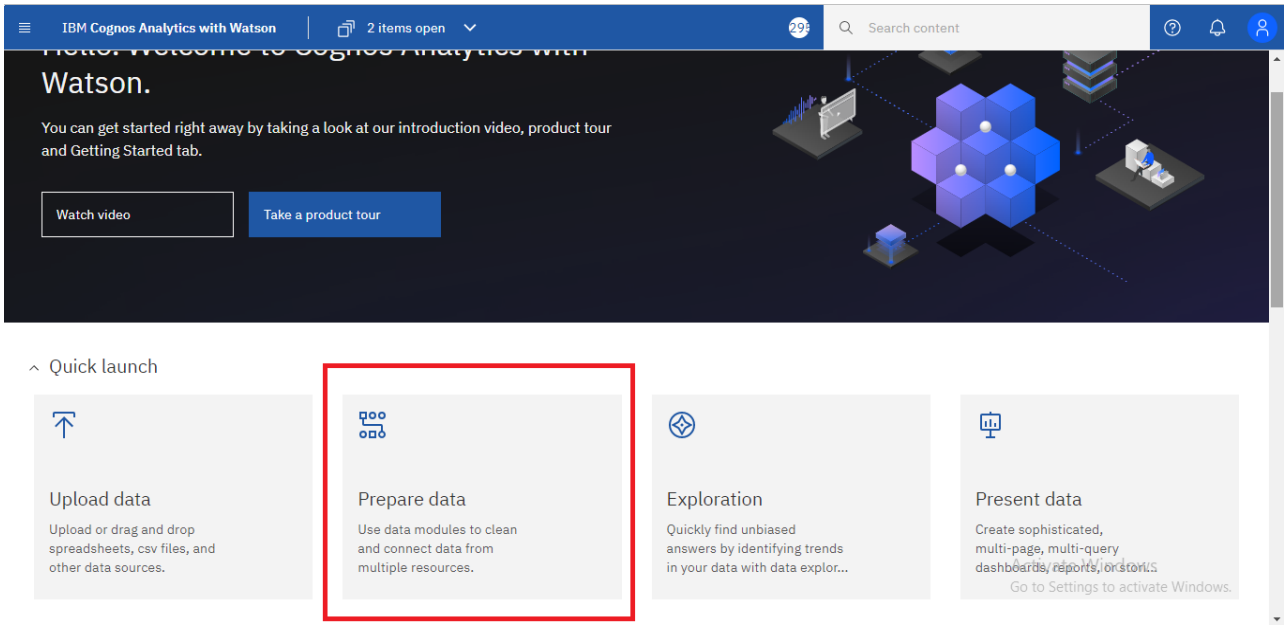
Estimation of crop yield using data analytics

SPRINT-2

Team ID:PNT2022TMID20578

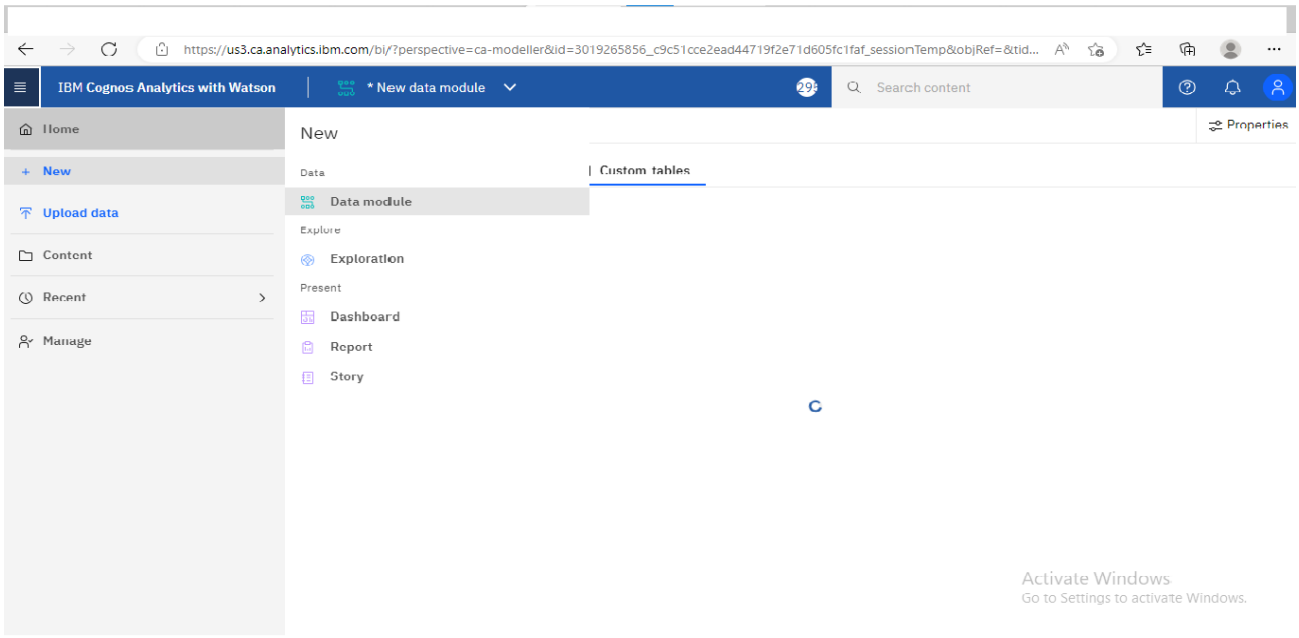
DATA PREPARATION

1. click the data prepare data icon

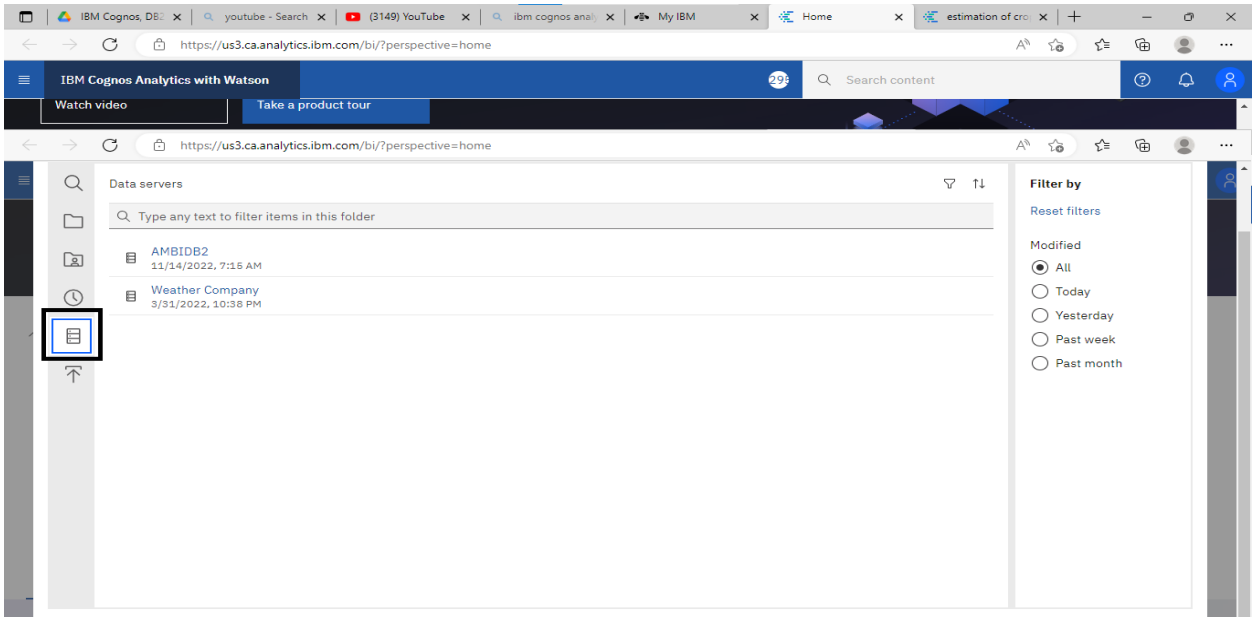


(OR)

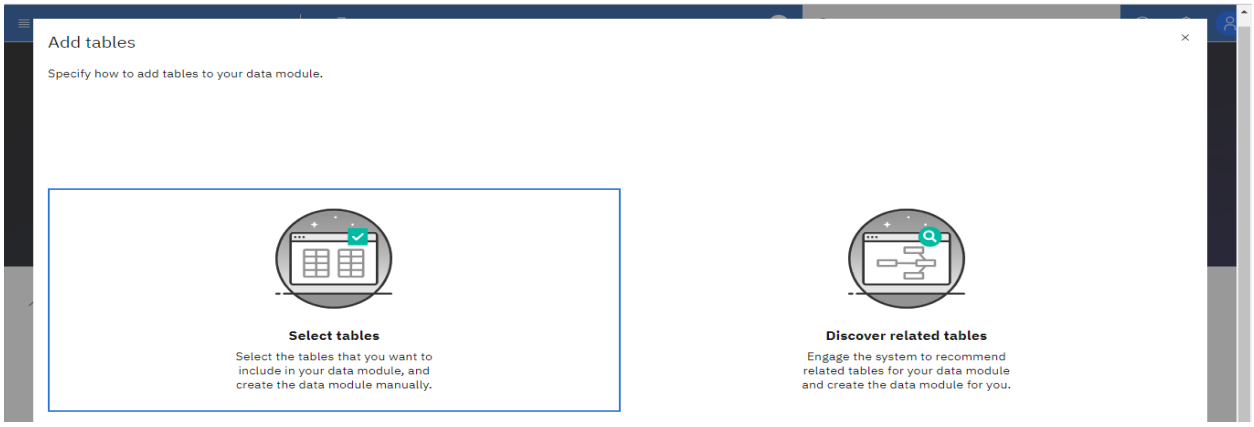
Click->New->Data module



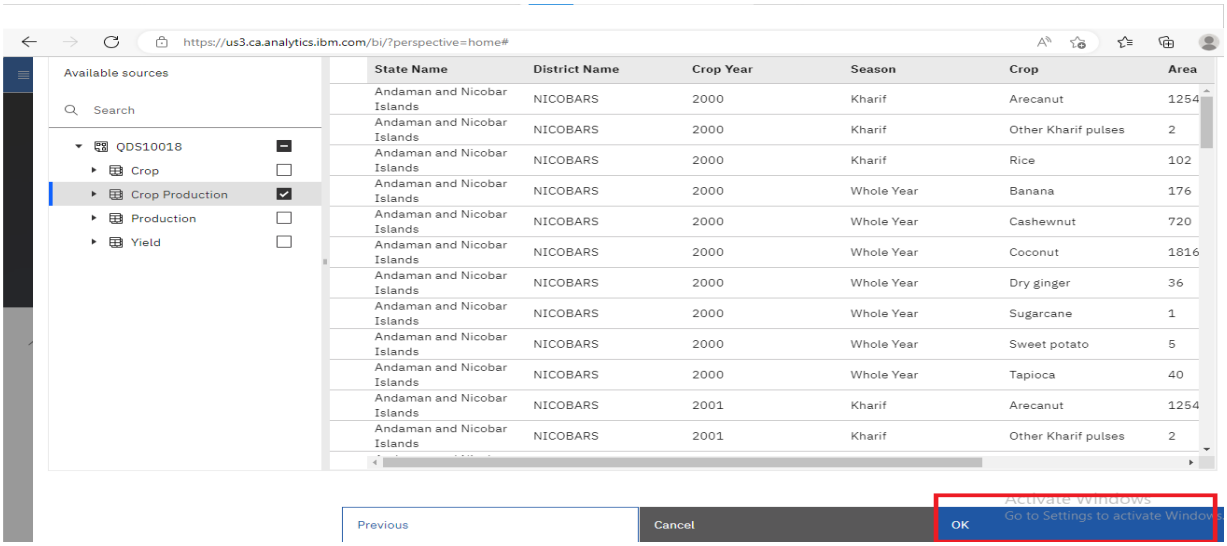
2. select the AMBIDB2 file from the database icon and press ok.



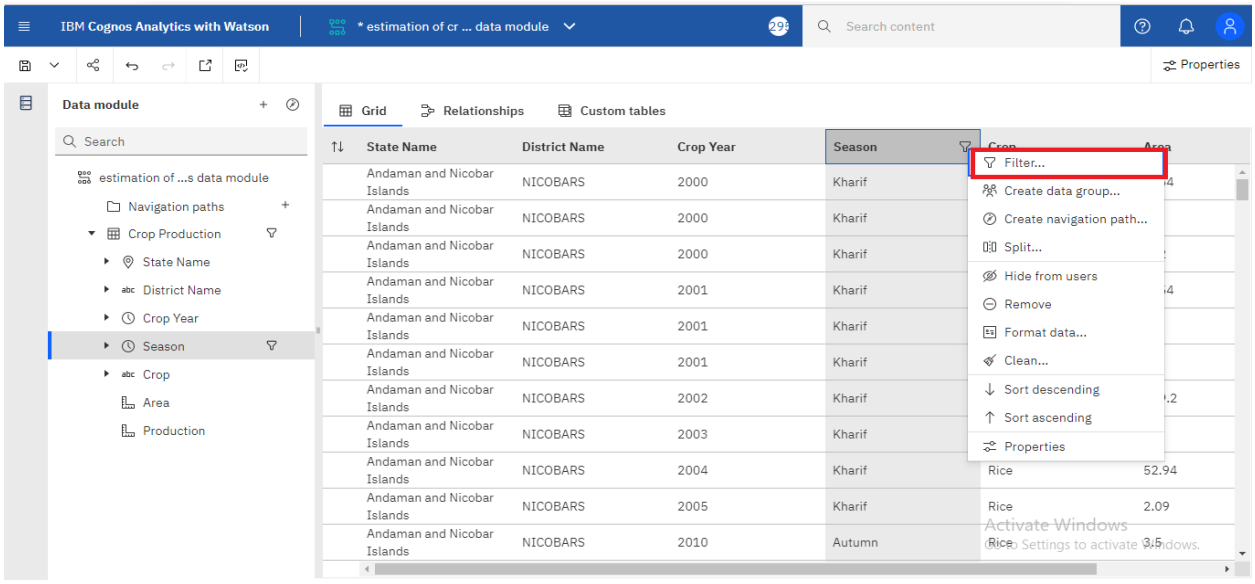
3. In the Add tables dialog box select tables icon



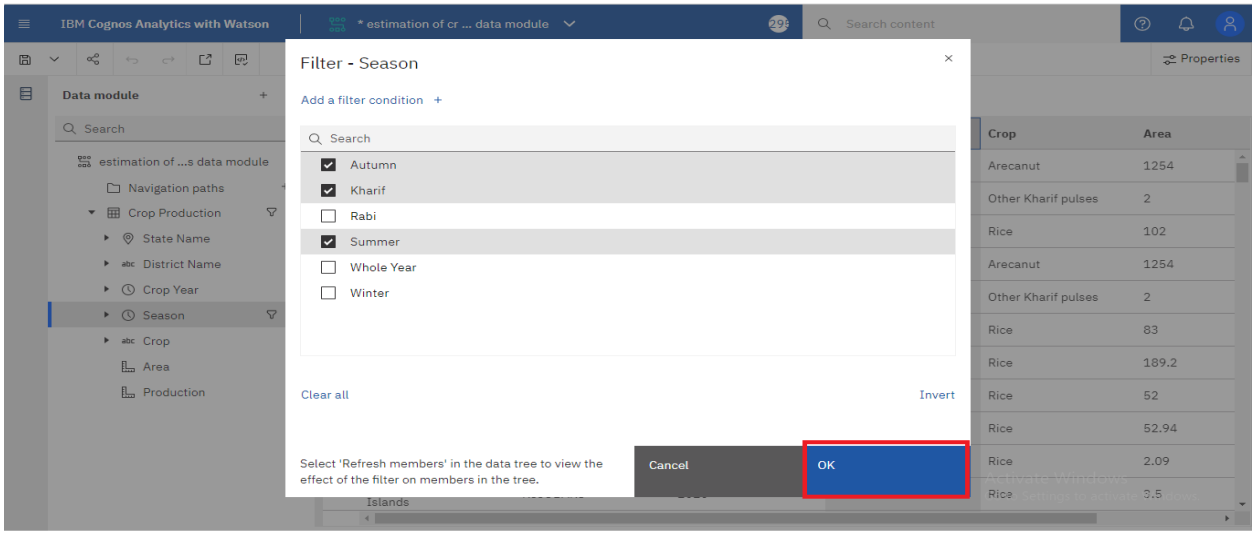
4.click crop production and press ok. A dataset set will be loaded.



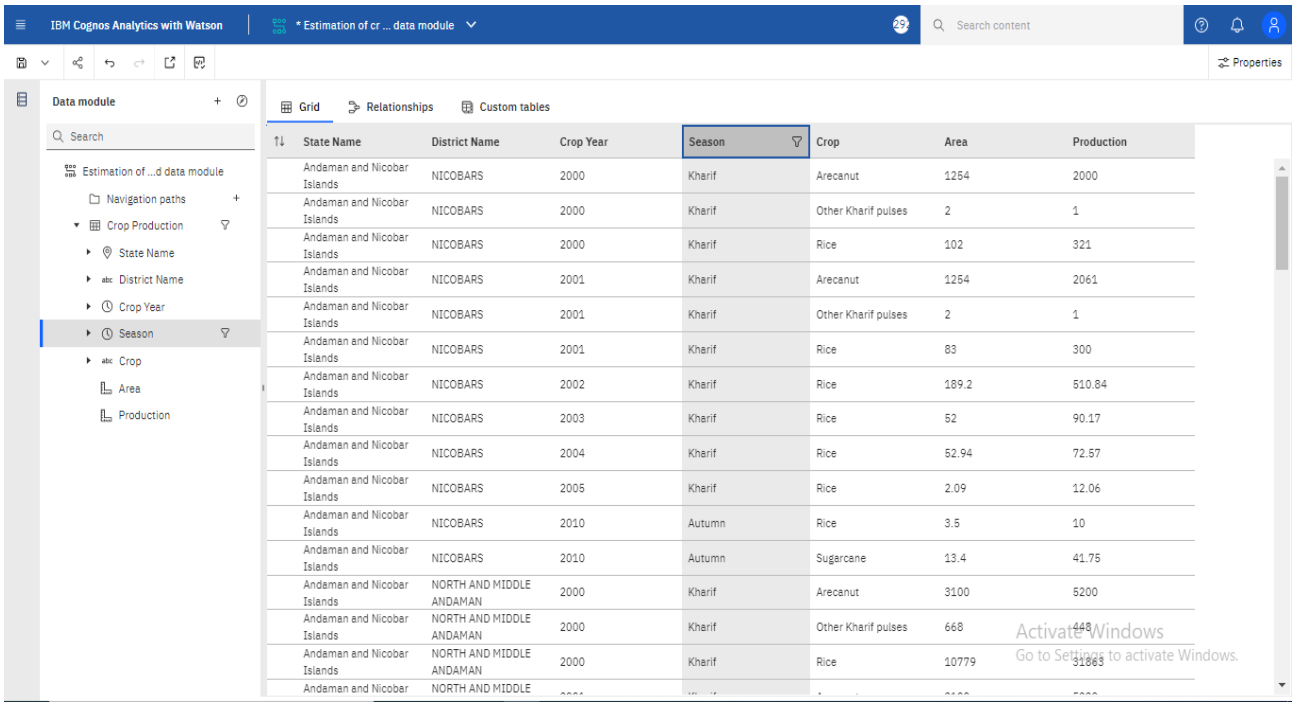
5.In the **Grid view** by using the filter option, show the table in different ways.



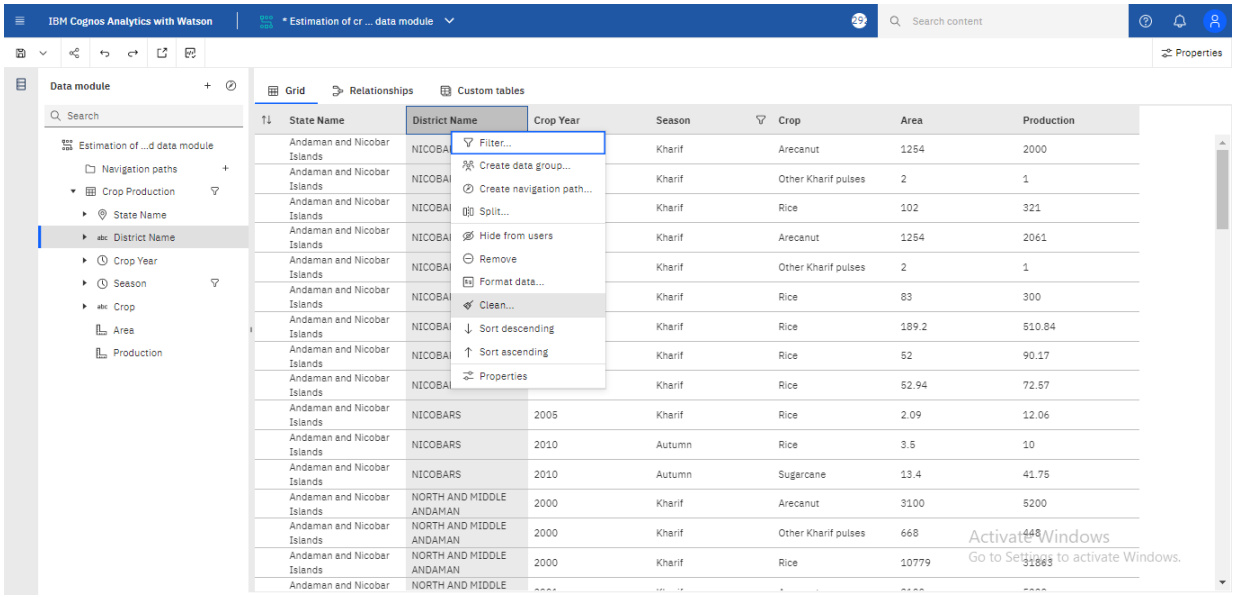
6.Select required seasons and click ok



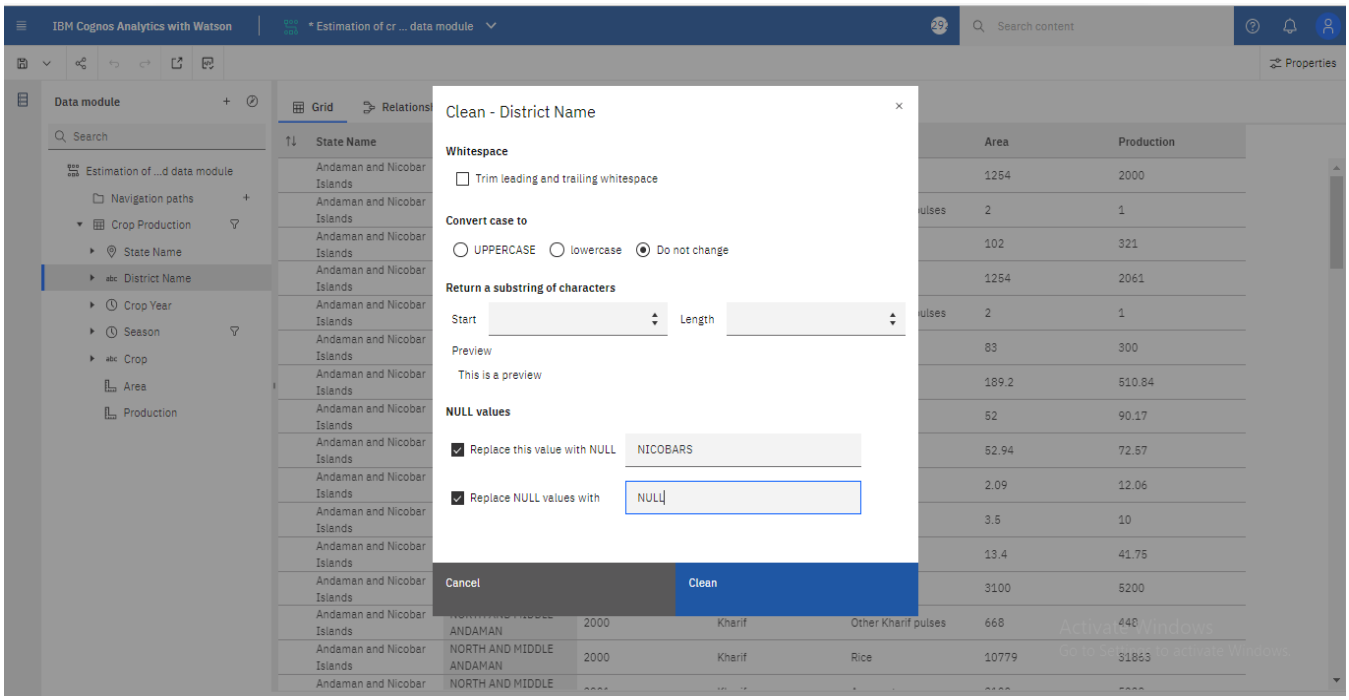
7.Now the modified dataset will be shown in the Grid view



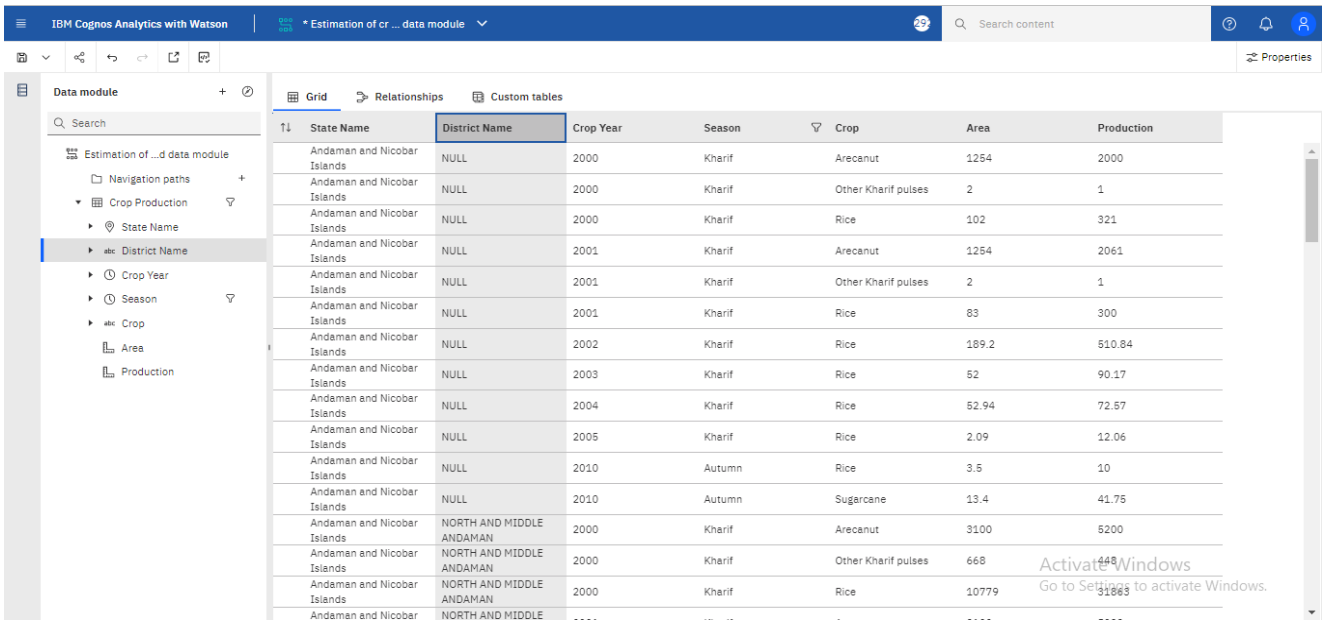
8.Click->filter->clean



9.Change the NICOBARS state into NULL

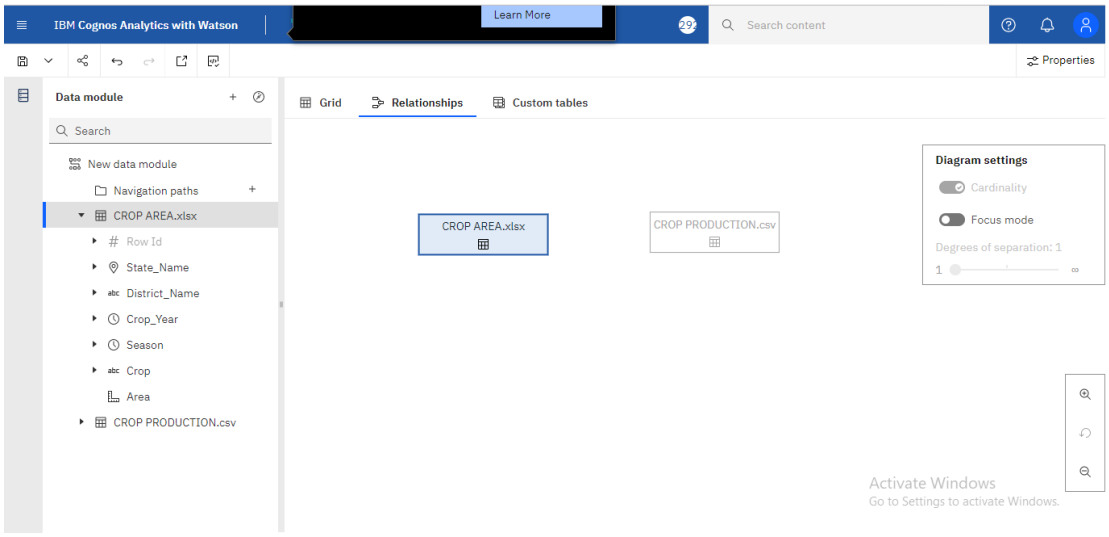


10.Now in the NICOBARS place NULL values will be changed

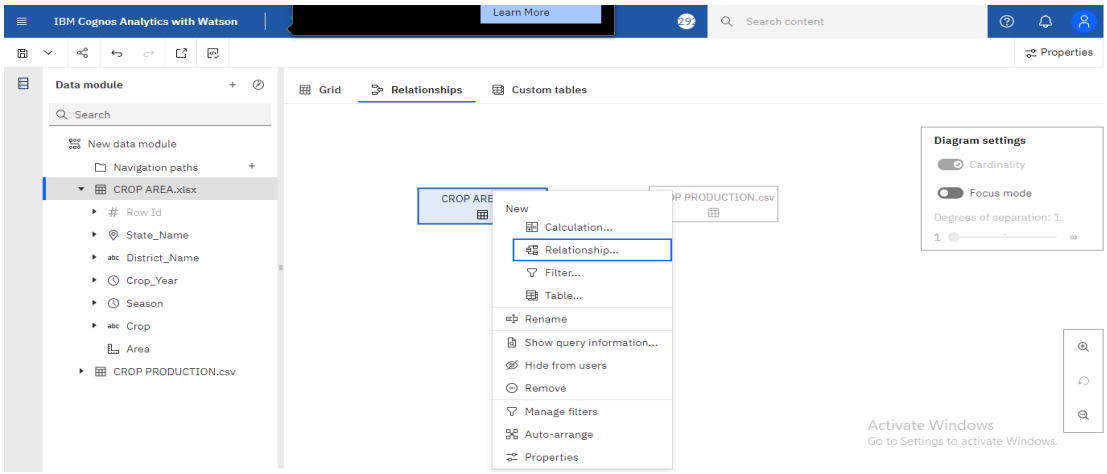


State Name	District Name	Crop Year	Season	Crop	Area	Production
Andaman and Nicobar Islands	NULL	2000	Kharif	Arecanut	1254	2000
Andaman and Nicobar Islands	NULL	2000	Kharif	Other Kharif pulses	2	1
Andaman and Nicobar Islands	NULL	2000	Kharif	Rice	102	321
Andaman and Nicobar Islands	NULL	2001	Kharif	Arecanut	1254	2061
Andaman and Nicobar Islands	NULL	2001	Kharif	Other Kharif pulses	2	1
Andaman and Nicobar Islands	NULL	2001	Kharif	Rice	83	300
Andaman and Nicobar Islands	NULL	2002	Kharif	Rice	189.2	510.84
Andaman and Nicobar Islands	NULL	2003	Kharif	Rice	52	90.17
Andaman and Nicobar Islands	NULL	2004	Kharif	Rice	52.94	72.57
Andaman and Nicobar Islands	NULL	2005	Kharif	Rice	2.09	12.06
Andaman and Nicobar Islands	NULL	2010	Autumn	Rice	3.5	10
Andaman and Nicobar Islands	NULL	2010	Autumn	Sugarcane	13.4	41.75
Andaman and Nicobar Islands	NORTH AND MIDDLE ANDAMAN	2000	Kharif	Arecanut	3100	5200
Andaman and Nicobar Islands	NORTH AND MIDDLE ANDAMAN	2000	Kharif	Other Kharif pulses	668	448
Andaman and Nicobar Islands	NORTH AND MIDDLE ANDAMAN	2000	Kharif	Rice	10779	31863
Andaman and Nicobar	NORTH AND MIDDLE					

11.Next step is **Relationships.**Here we need two dataset to find the relation between them.

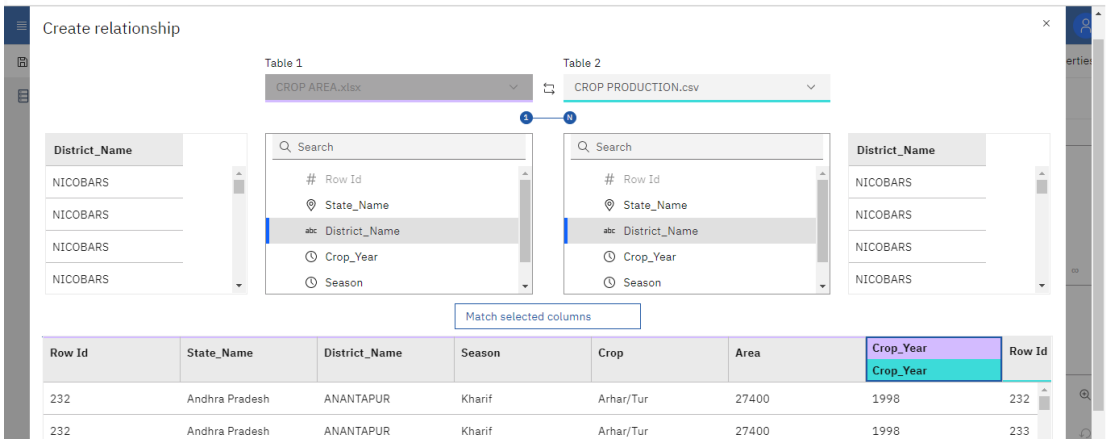


12.Select Right click->Relationship

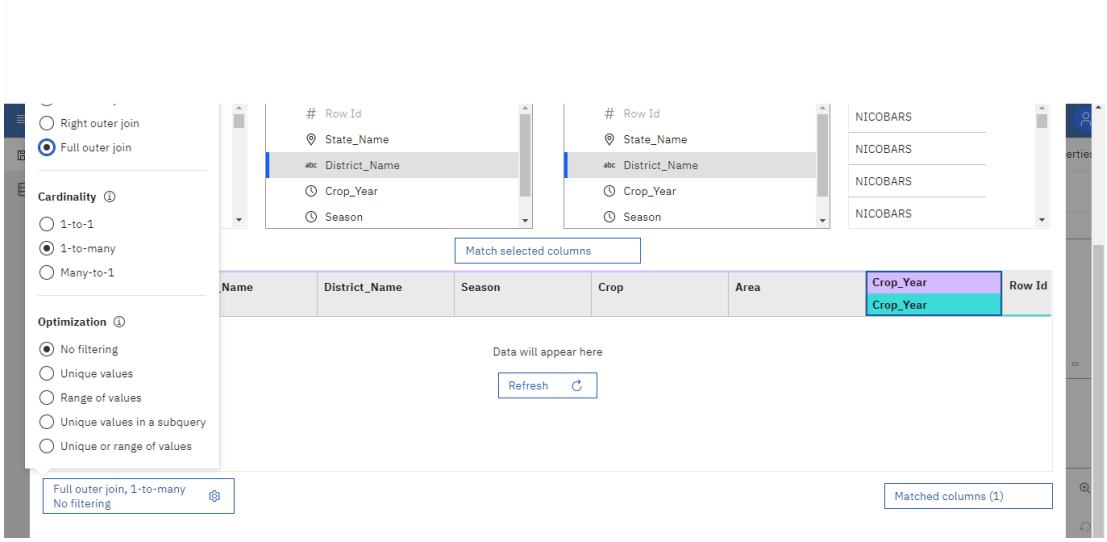


13.From the two dataset select any one field which is similar in both the tables

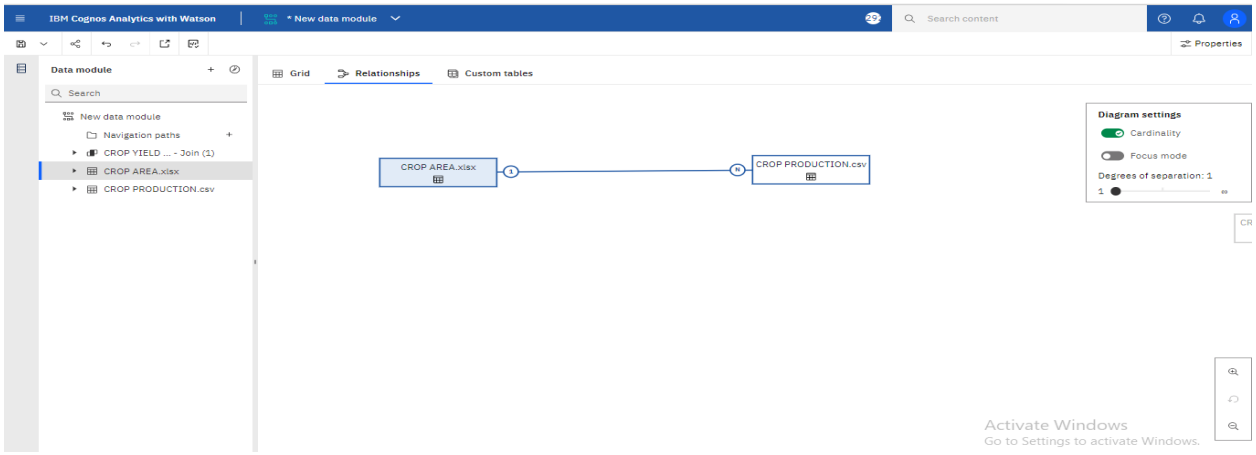
Then click Matched selected columns



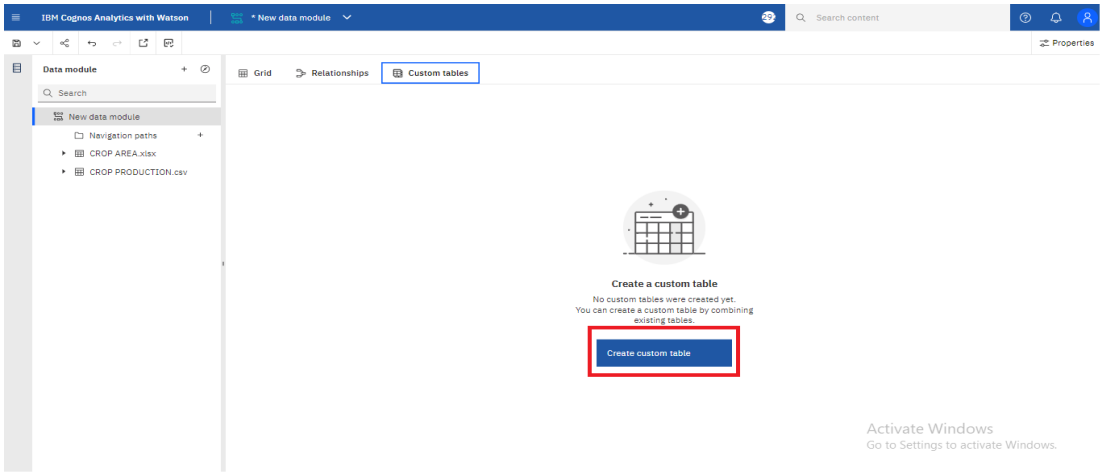
14.Select Full outer join,1-to- Many,No filtering options



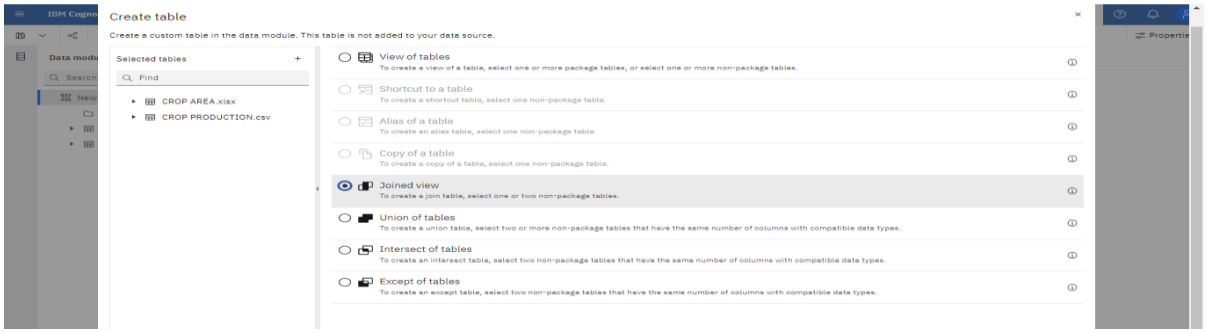
15.Now the diagrammatic relationship will shown between crop area and crop production



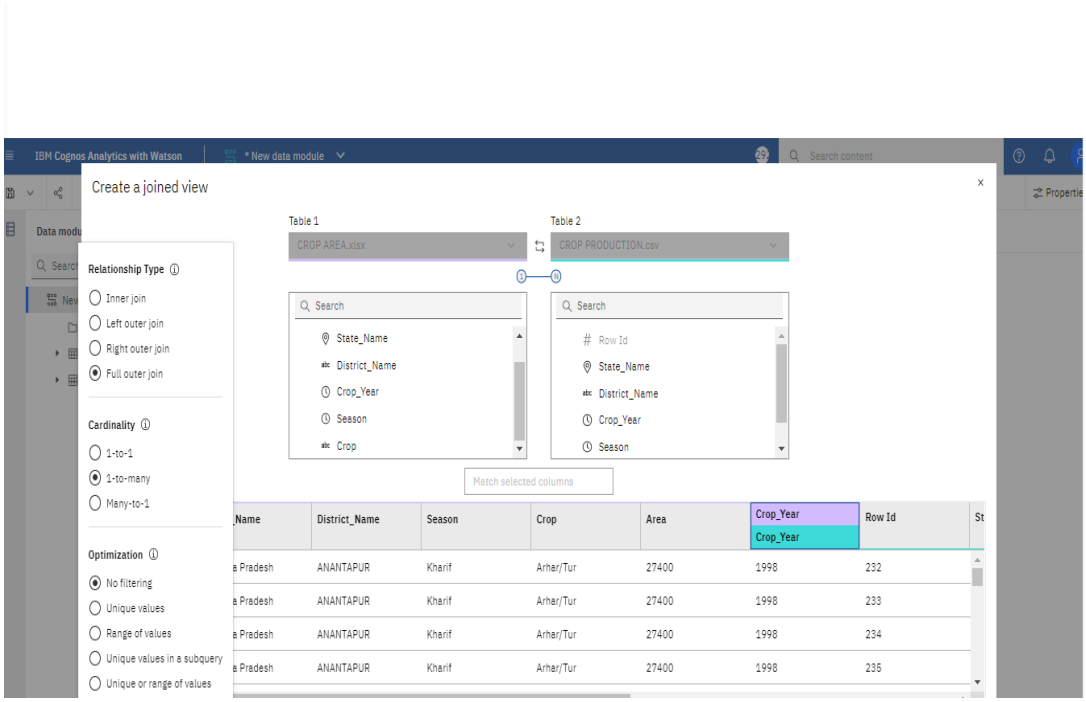
16.The last type in data module is **custom Tables.**Choose create custom table



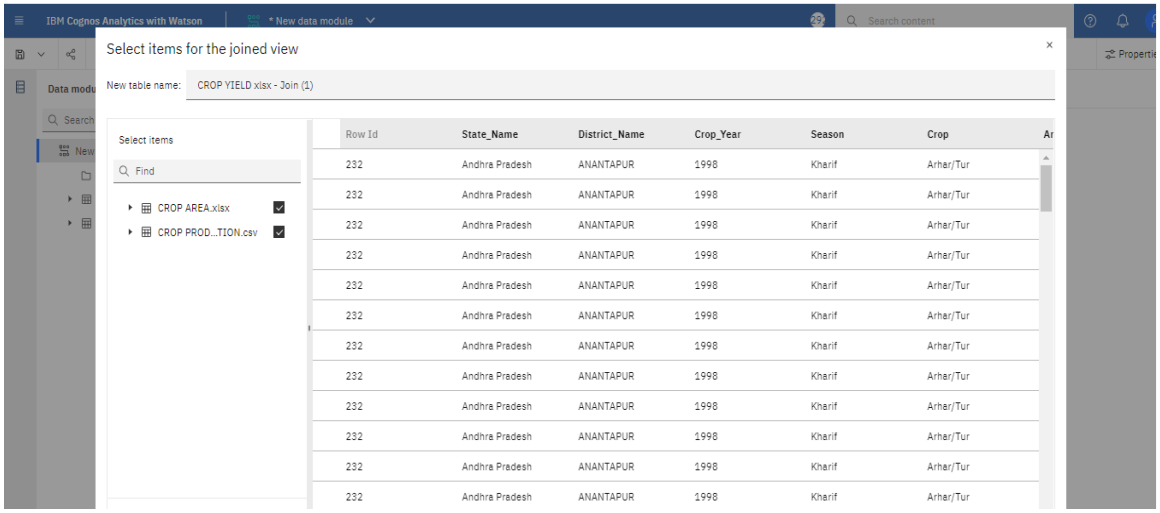
17.Select the two files and click joined view.Then press ok



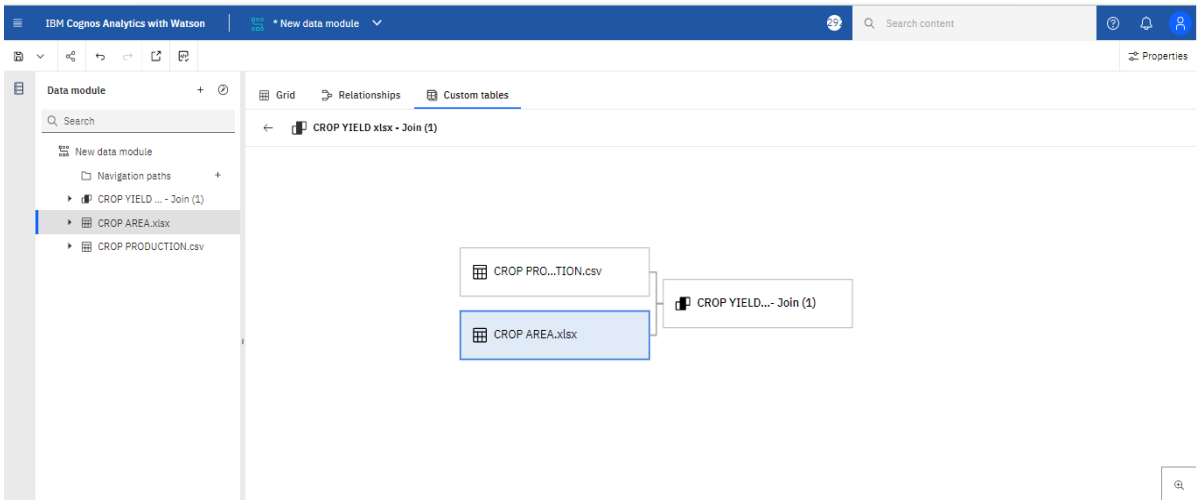
18.Select the field which is similar in both tables.click matched column.now the joined view of both the tables will be displayed in a single table



19.Give the file name as crop yield for both the files.click ok.



20.Now the diagrammatic representation of custom table will be displayed.



21.Rename the file and click ok.