

ECE-3502 IoT Domain Analyst LAB(L9+L10)

Name: Alpanshu Kataria

Reg. No.: 18BCE1267

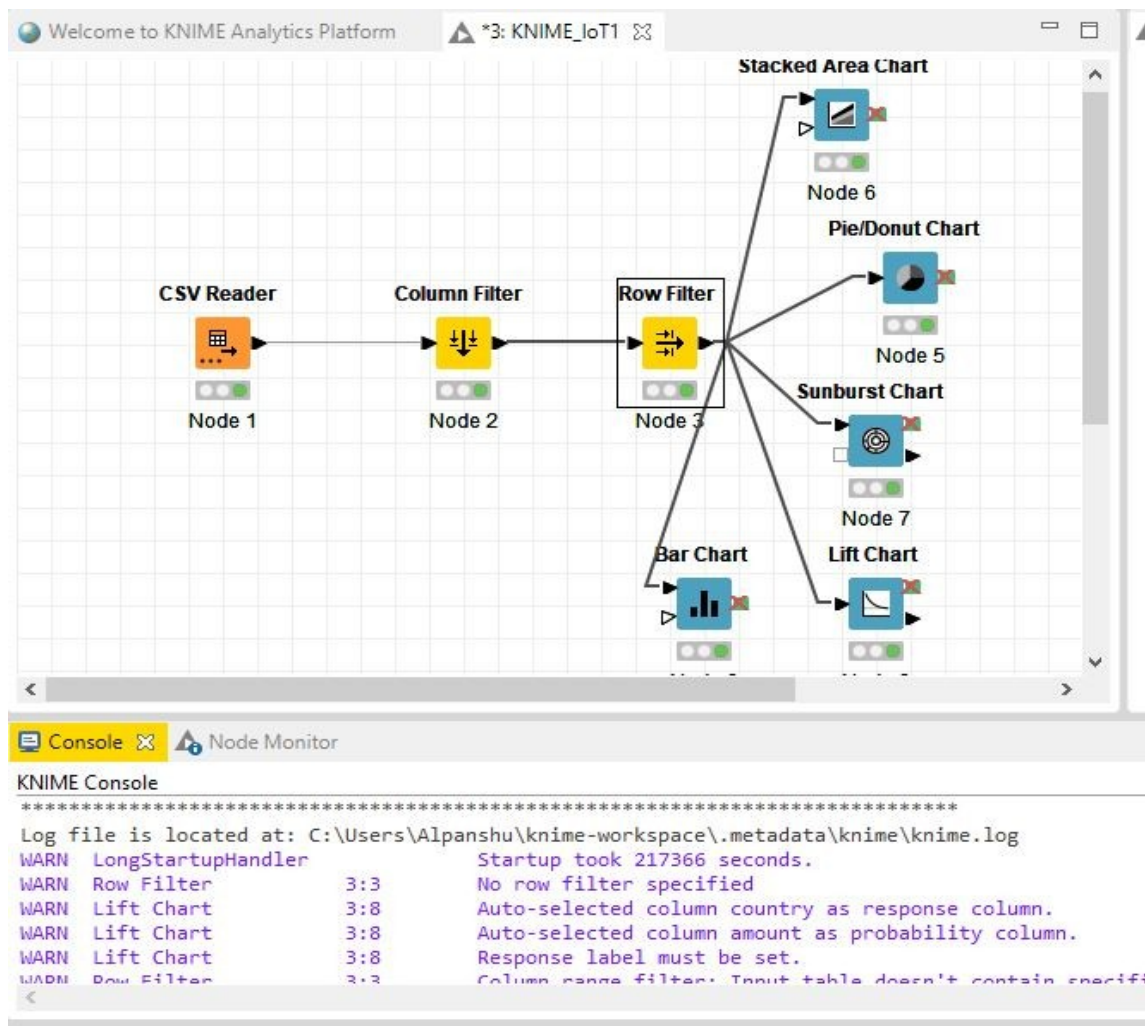
Faculty: Prof. Maheshwari R

Lab 8

Task:

Knime sales analysis

Solution screenshots:



Data without filter:

File Table - 3:1 - CSV Reader

File Edit Hilite Navigation View

Table "default" - Rows: 47 Spec - Columns: 7 Properties Flow Variables

Row ID	S product	S country	S date	I quantity	I amount	S card	S Cust_ID
Row0	prod_4	unknown	2008-12-12	1	3	?	Cust_8
Row1	prod_3	China	2009-04-10	2	160	N	Cust_2
Row2	prod_3	China	2009-04-10	2	160	Y	Cust_5
Row3	prod_3	China	2009-05-10	2	160	?	Cust_2
Row4	prod_3	USA	2009-05-20	20	1600	?	Cust_3
Row5	prod_3	Brazil	2009-06-08	15	1200	?	Cust_7
Row6	prod_1	USA	2009-07-04	2	70	Y	Cust_3
Row7	prod_1	USA	2009-07-14	2	70	?	Cust_6
Row8	prod_3	USA	2009-08-20	20	1600	?	Cust_3
Row9	prod_2	Germany	2009-11-02	15	600	?	Cust_1
Row10	prod_2	Germany	2009-11-22	15	600	N	Cust_1
Row11	prod_1	Germany	2009-12-02	1	35	Y	Cust_1
Row12	prod_1	China	2009-12-12	1	35	Y	Cust_2
Row13	prod_3	USA	2010-01-03	20	1600	?	Cust_3
Row14	prod_1	Germany	2010-01-10	1	35	N	Cust_1
Row15	prod_3	Germany	2010-01-13	1	80	?	Cust_4
Row16	prod_2	Germany	2010-01-15	25	1000	?	Cust_1
Row17	prod_2	USA	2010-01-20	2	80	?	Cust_6
Row18	prod_2	USA	2010-02-12	6	240	Y	Cust_6
Row19	prod_2	USA	2010-02-22	6	240	?	Cust_6
Row20	prod_2	Brazil	2010-03-11	6	240	N	Cust_7
Row21	prod_3	China	2010-03-12	1	80	?	Cust_5
Row22	prod_3	Germany	2010-03-14	2	160	?	Cust_9
Row23	prod_3	USA	2010-03-17	1	80	Y	Cust_3
Row24	prod_2	Germany	2010-03-31	5	200	Y	Cust_4

After Column filter on:

Filtered table - 3:2 - Column Filter

File Edit Hilite Navigation View

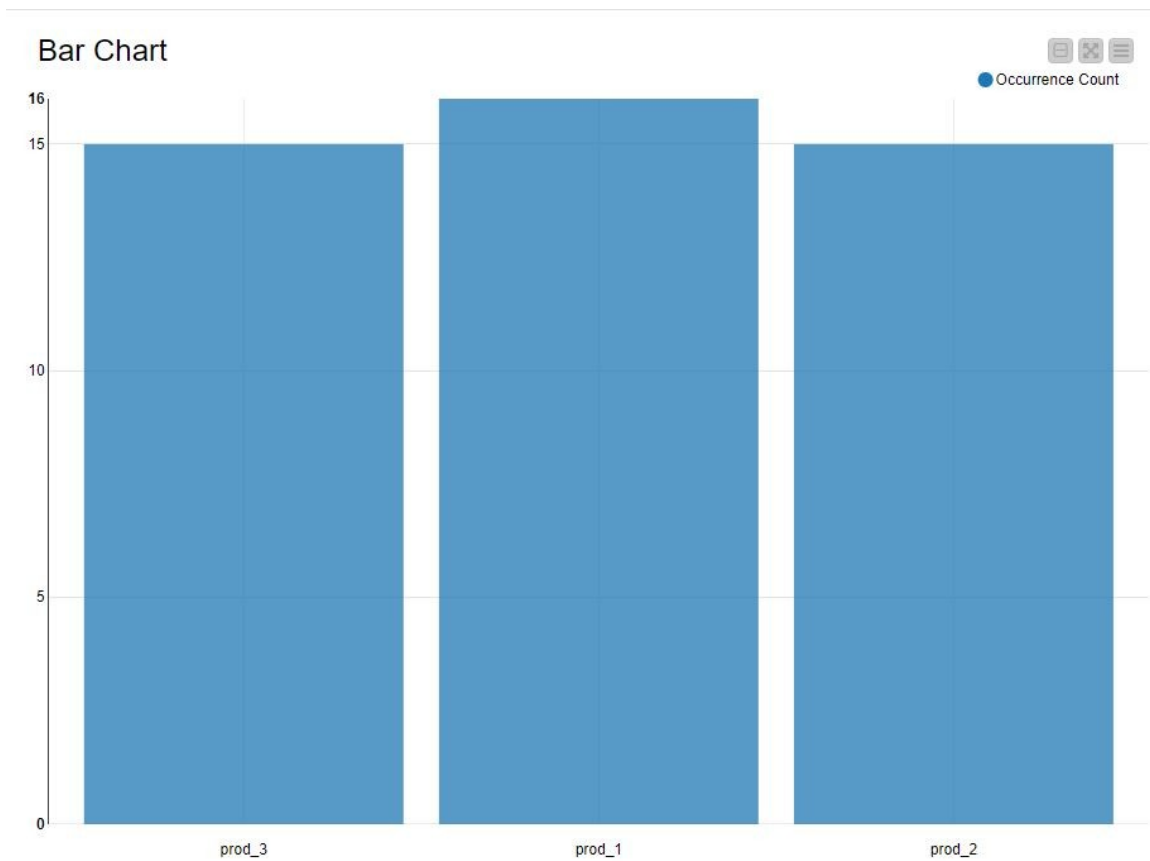
Table "default" - Rows: 47 Spec - Columns: 3 Properties Flow Variables

Row ID	S product	S date	I quantity
Row0	prod_4	2008-12-12	1
Row1	prod_3	2009-04-10	2
Row2	prod_3	2009-04-10	2
Row3	prod_3	2009-05-10	2
Row4	prod_3	2009-05-20	20
Row5	prod_3	2009-06-08	15
Row6	prod_1	2009-07-04	2
Row7	prod_1	2009-07-14	2
Row8	prod_3	2009-08-20	20
Row9	prod_2	2009-11-02	15
Row10	prod_2	2009-11-22	15
Row11	prod_1	2009-12-02	1
Row12	prod_1	2009-12-12	1
Row13	prod_3	2010-01-03	20
Row14	prod_1	2010-01-10	1
Row15	prod_3	2010-01-13	1
Row16	prod_2	2010-01-15	25
Row17	prod_2	2010-01-20	2
Row18	prod_2	2010-02-12	6
Row19	prod_2	2010-02-22	6
Row20	prod_2	2010-03-11	6
Row21	prod_3	2010-03-12	1
Row22	prod_3	2010-03-14	2
Row23	prod_3	2010-03-17	1
Row24	prod_2	2010-03-31	5

After row filter on prod_4:

Filtered - 3:3 - Row Filter			
File Edit Hilite Navigation View			
Table "default" - Rows: 46 Spec - Columns: 3 Properties Flow Variables			
Row ID	S product	S date	I quantity
Row22	prod_3	2010-03-14	2
Row23	prod_3	2010-03-17	1
Row24	prod_2	2010-03-31	5
Row25	prod_2	2010-04-22	10
Row26	prod_3	2010-05-12	2
Row27	prod_1	2010-05-17	5
Row28	prod_2	2010-06-22	6
Row29	prod_1	2010-06-28	10
Row30	prod_2	2010-07-07	12
Row31	prod_1	2010-07-17	5
Row32	prod_1	2010-08-28	10
Row33	prod_2	2010-08-31	5
Row34	prod_3	2010-09-14	2
Row35	prod_1	2010-10-01	2
Row36	prod_1	2010-10-11	2
Row37	prod_2	2010-12-07	15
Row38	prod_3	2011-01-02	8
Row39	prod_1	2011-01-10	10
Row40	prod_2	2011-02-01	1
Row41	prod_3	2011-02-02	8
Row42	prod_2	2011-02-11	1
Row43	prod_1	2011-03-06	10
Row44	prod_1	2011-03-18	1
Row45	prod_1	2011-03-20	11
Row46	prod_1	2011-04-06	1

Bar chart of product vs quantity:



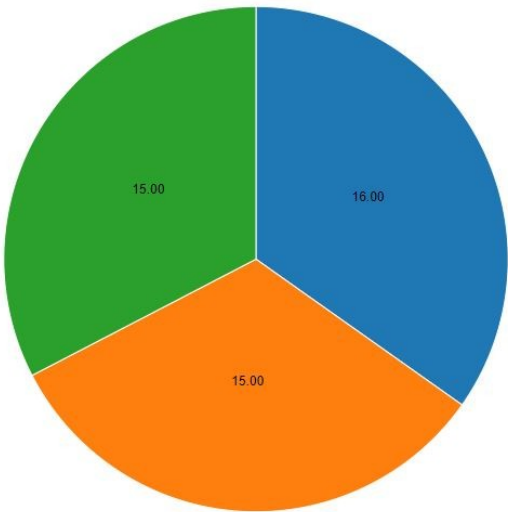
Sunburst chart product vs date:

Sunburst Chart

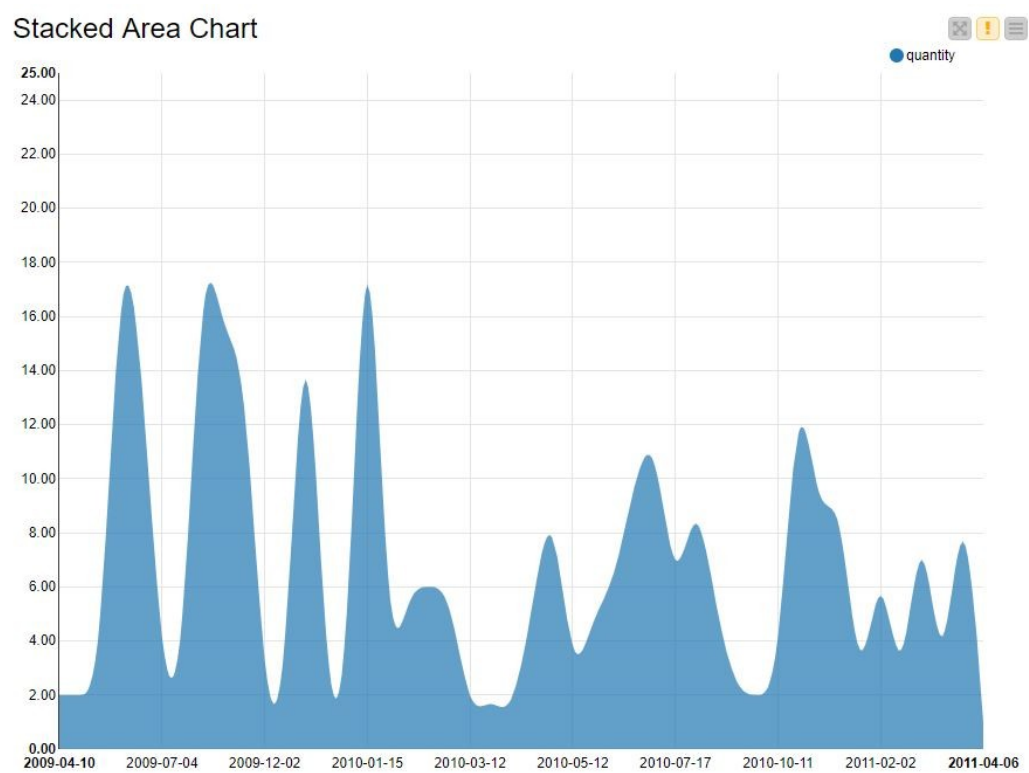


Pie chart for products:

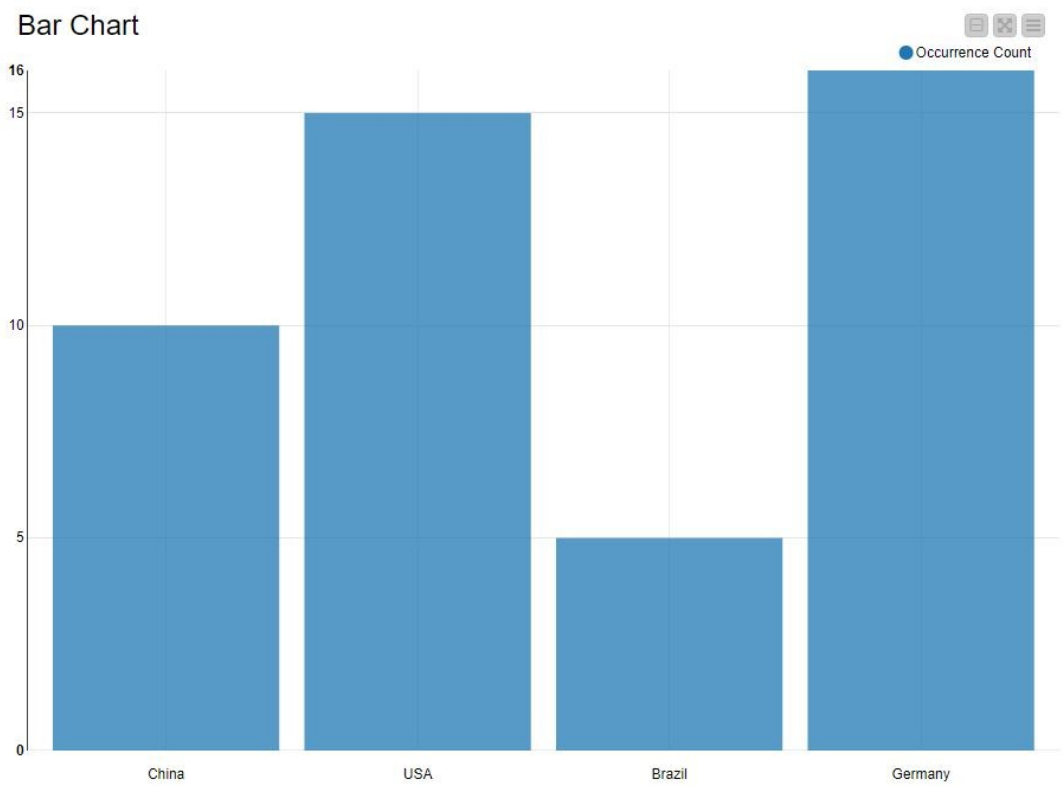
Pie Chart



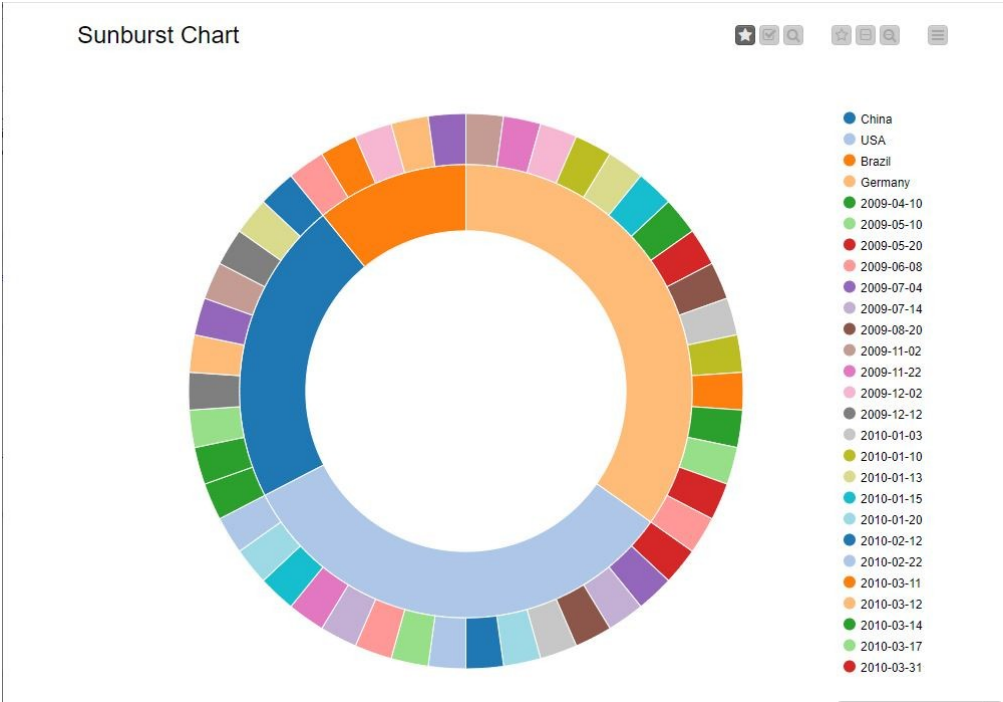
Stacked chart date vs quantity:



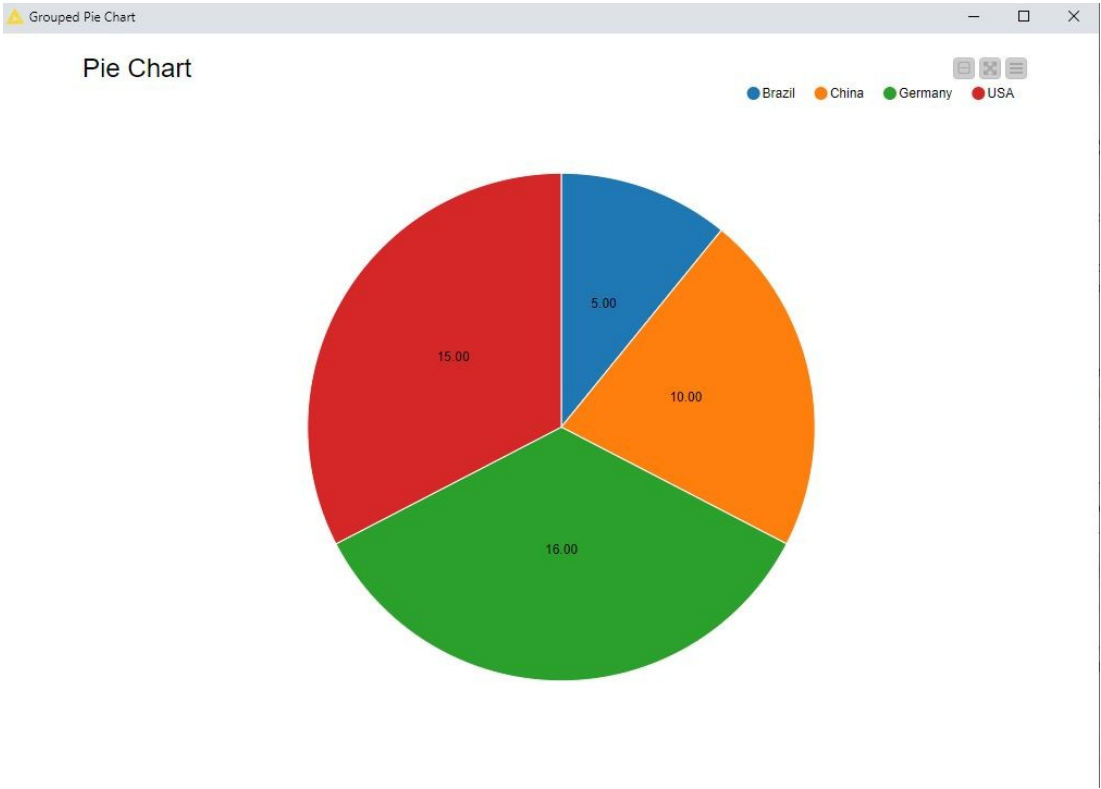
Bar chart country vs amount:



Sunburst chart country vs date



Pie chart of countries:



Stacked chart amount vs date:

