Babu Banarasi Das University

Predictive Analytics

(BCADS15301)

LAB FILE

SUBMITTED TO:
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SPSS Modeler Practical Workbook: Data Integration and Analysis

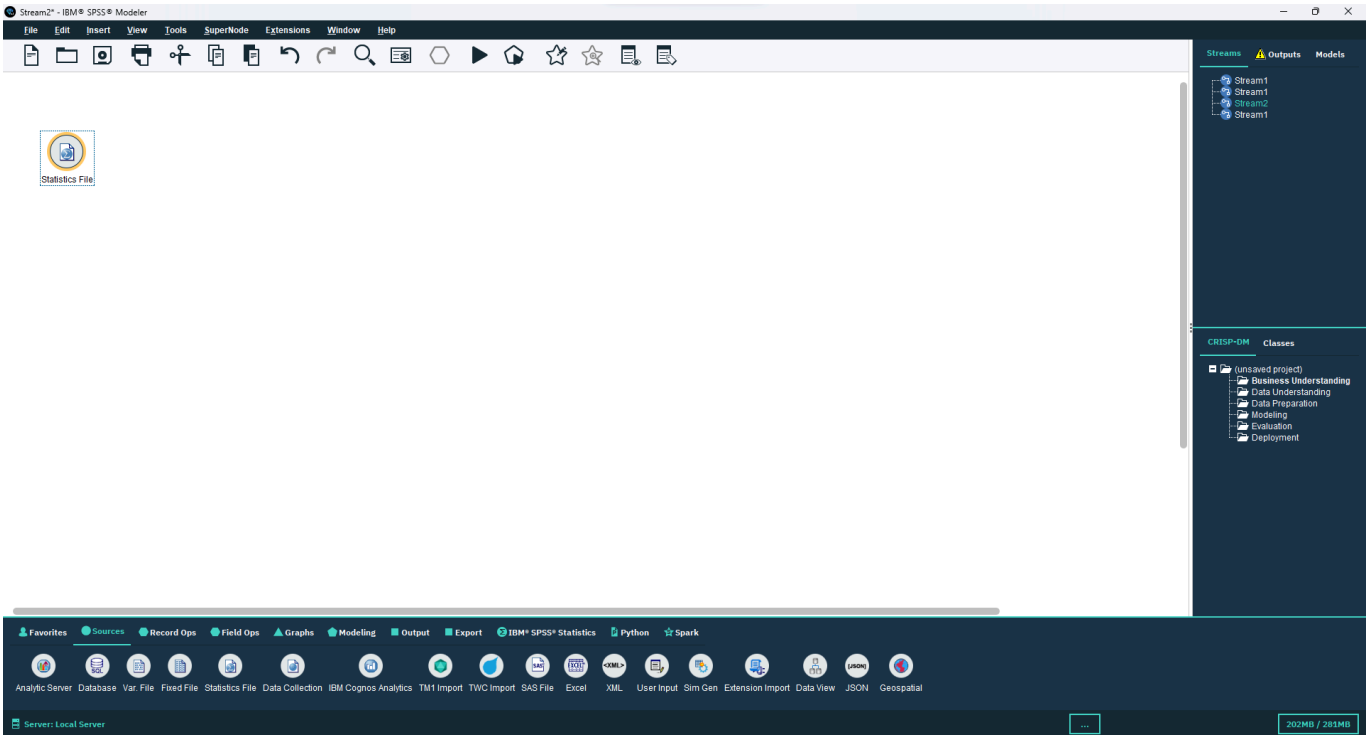
Definition: You work for a telecommunications firm and have to combine a number of datasets into a single dataset for analyses and modeling later.

Outcomes/Learning: Learning how to join different data sets
How to join records of different data sets
How to sample data from data sets

Required Tool: IBM SPSS Modeler Tool

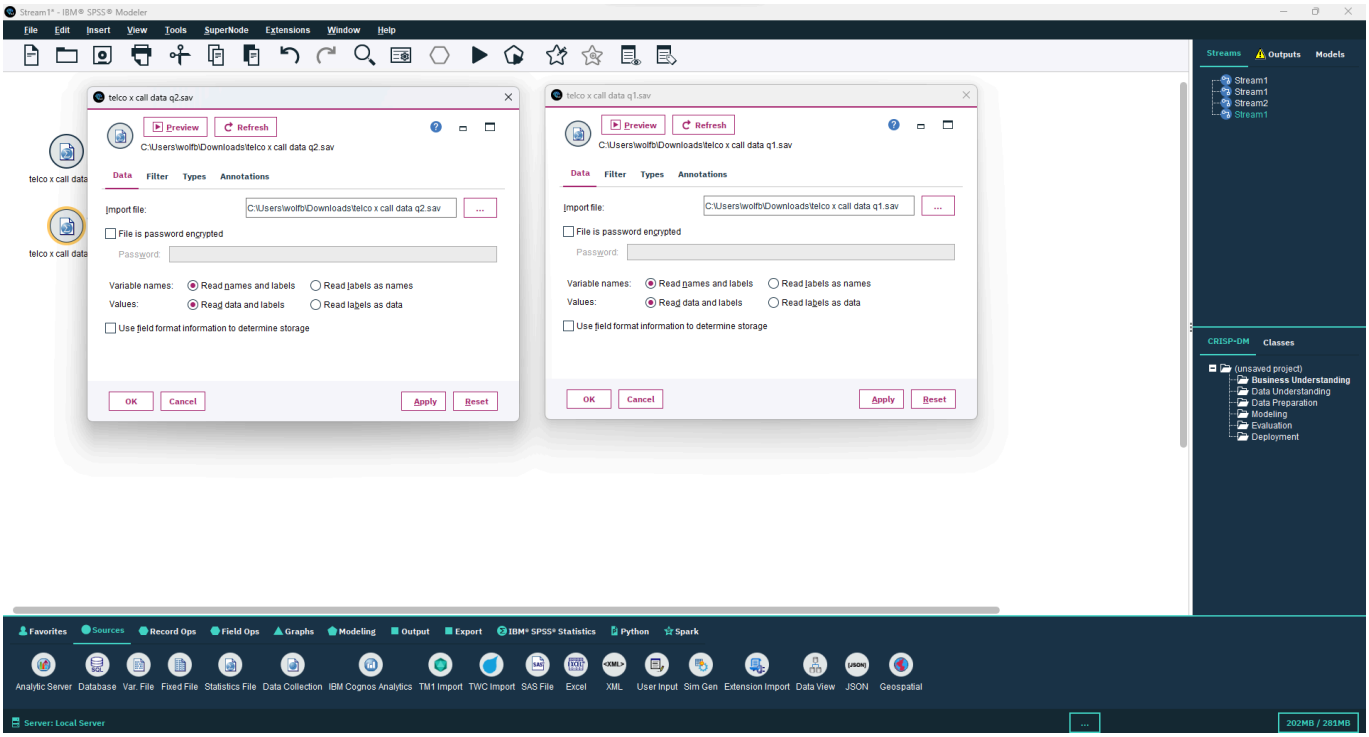
Working: Using Merge, Append, Sample nodes to merge two data sets, to append records from two or more data sets, To sample data from whole data sets.

Step 1: Open SPSS Modeler tool then on Source category select statistics File node (we are selecting Statistics node because the data set we are using is an sav file.)
Double clicking on statistics node will make it appear on canvas

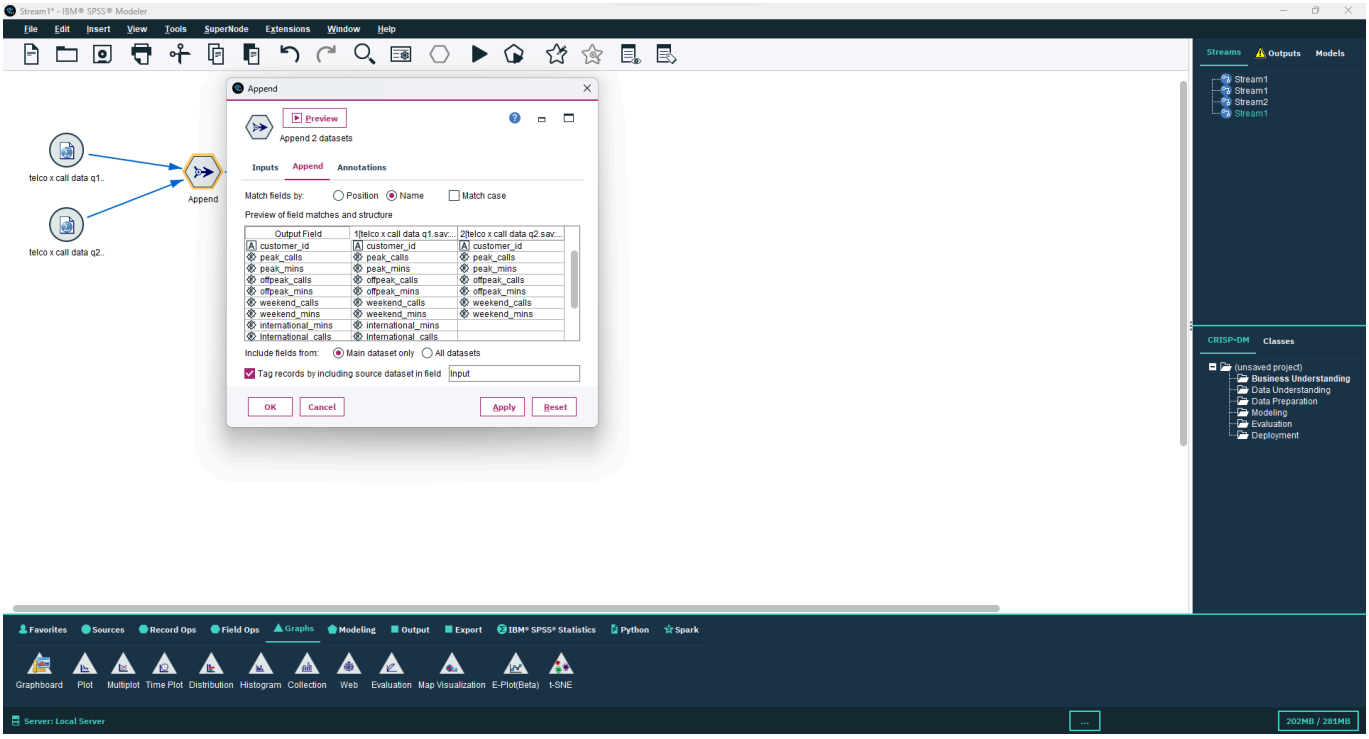


Step 2: Now we import a data set using the import option which can be accessed by double clicking on Statistics icon on the canvas.
We import a data set telco x call data q1.sav then import one more statistics file tele x call

data q2.sav.

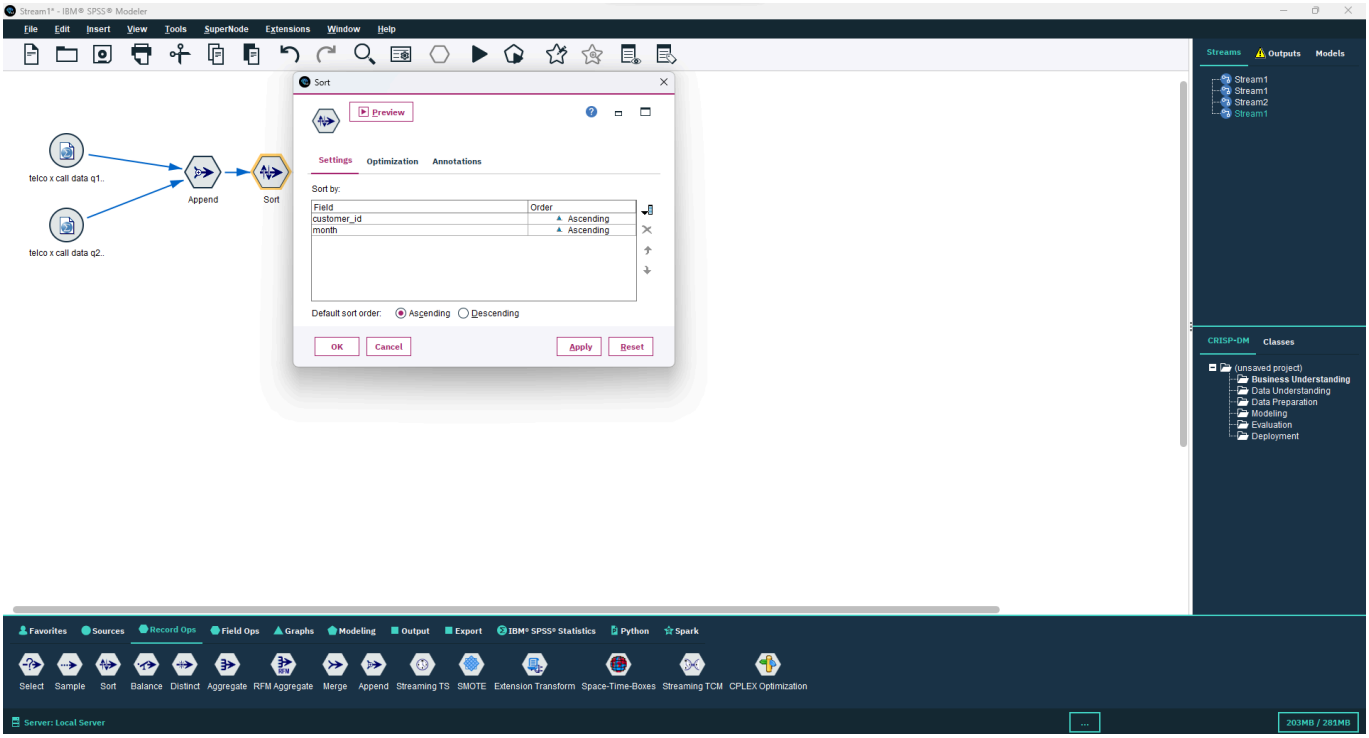


Step 3: We connect both of these files to Append node from Records Ops. click on apply and ok.

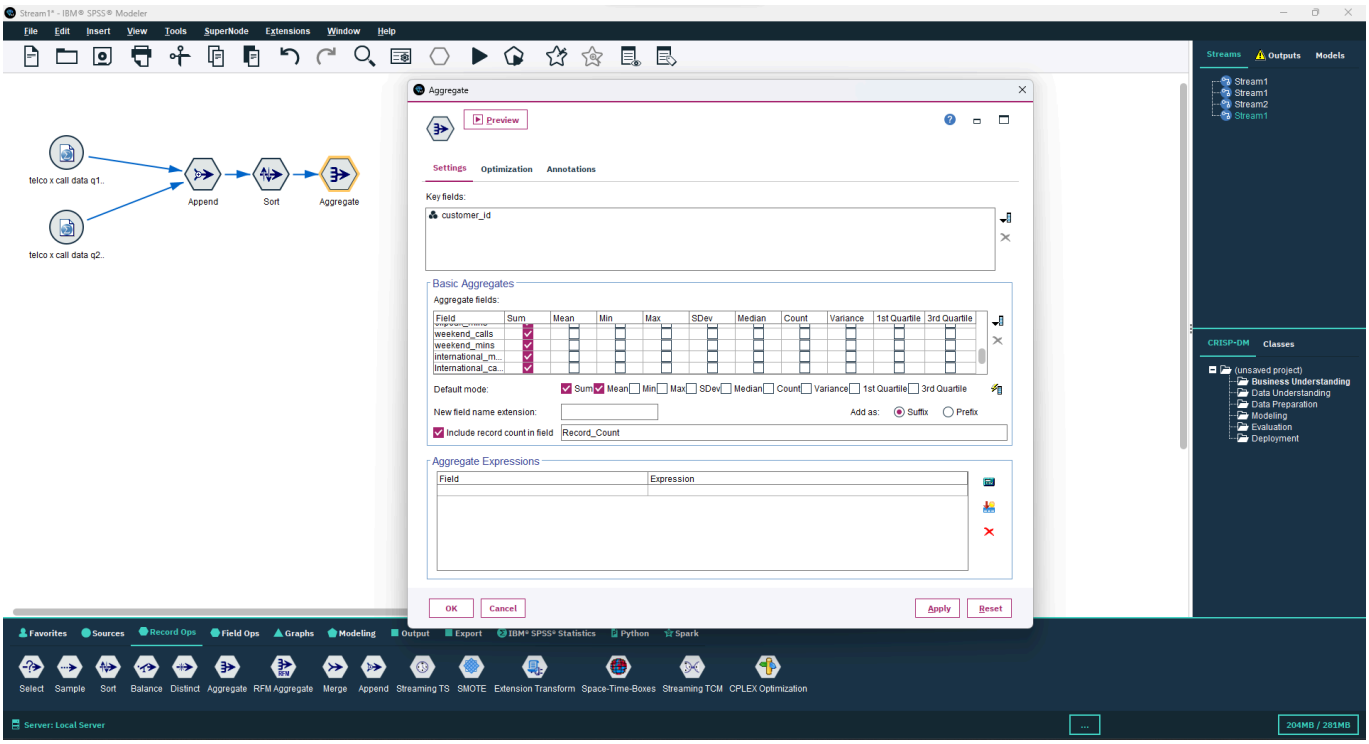


Step 4: Now we add sort node from Record Ops and connect it to Append node.

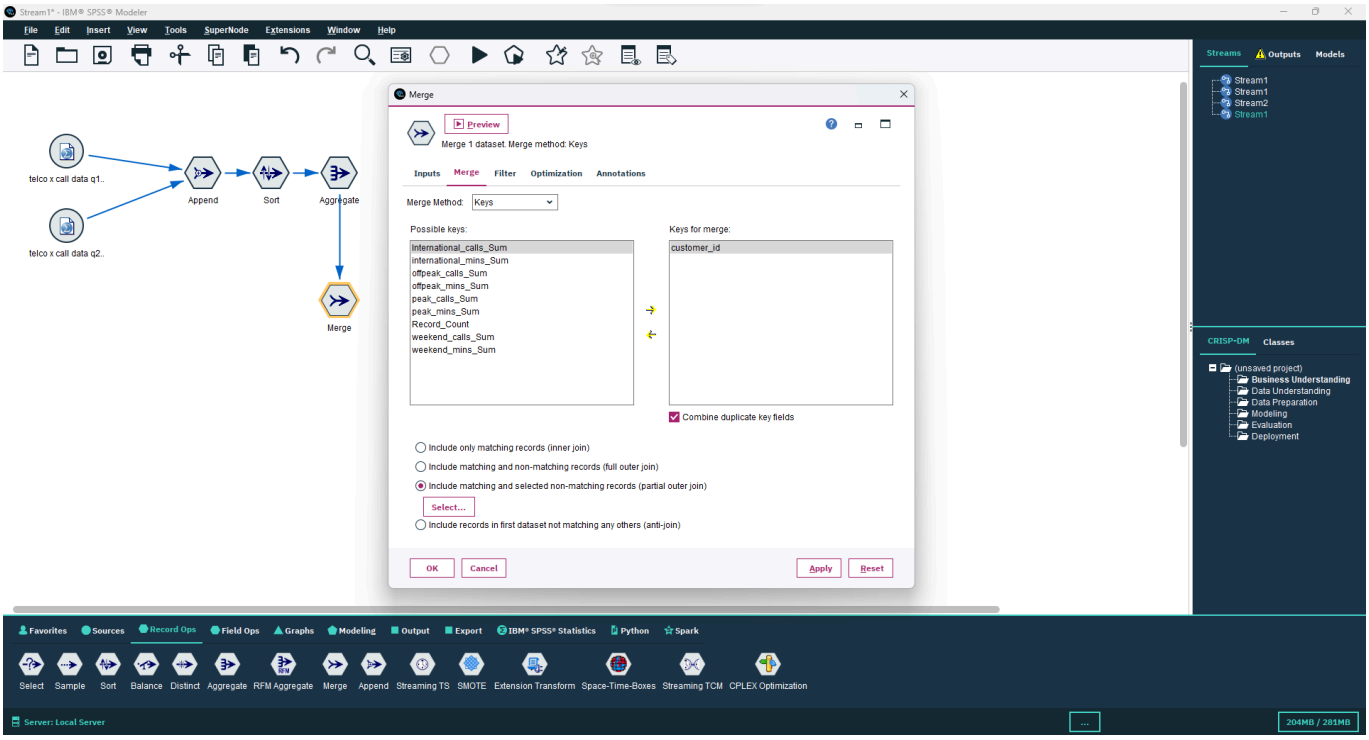
By double clicking on sort node a window opens in which under Sort by we select customer_id and month fields and sort them in ascending order.



Step 5: We add Aggregate node from Record ops and connect it to sort node.
We customer_id as Key Field and all other fields should be selected in Aggregate fields and all should have only sum box as checked.



Step 6: Now add Merge node from Record ops and connect it to Aggregate node. Select customer_id as the key for merge and partial outer join by double clicking on Merge node.



Step 7: We connect table node to see any change in data set.

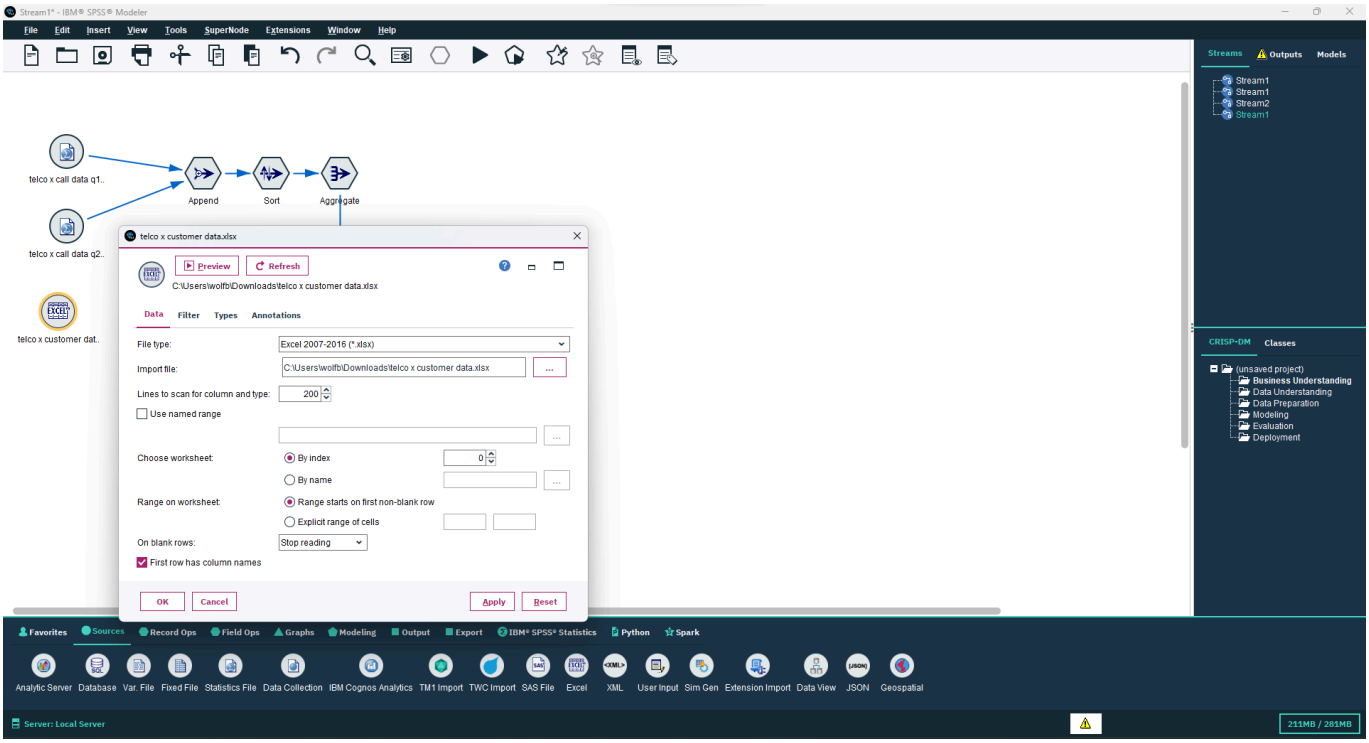
Table (10 fields, 31,769 records)

File Edit Generate

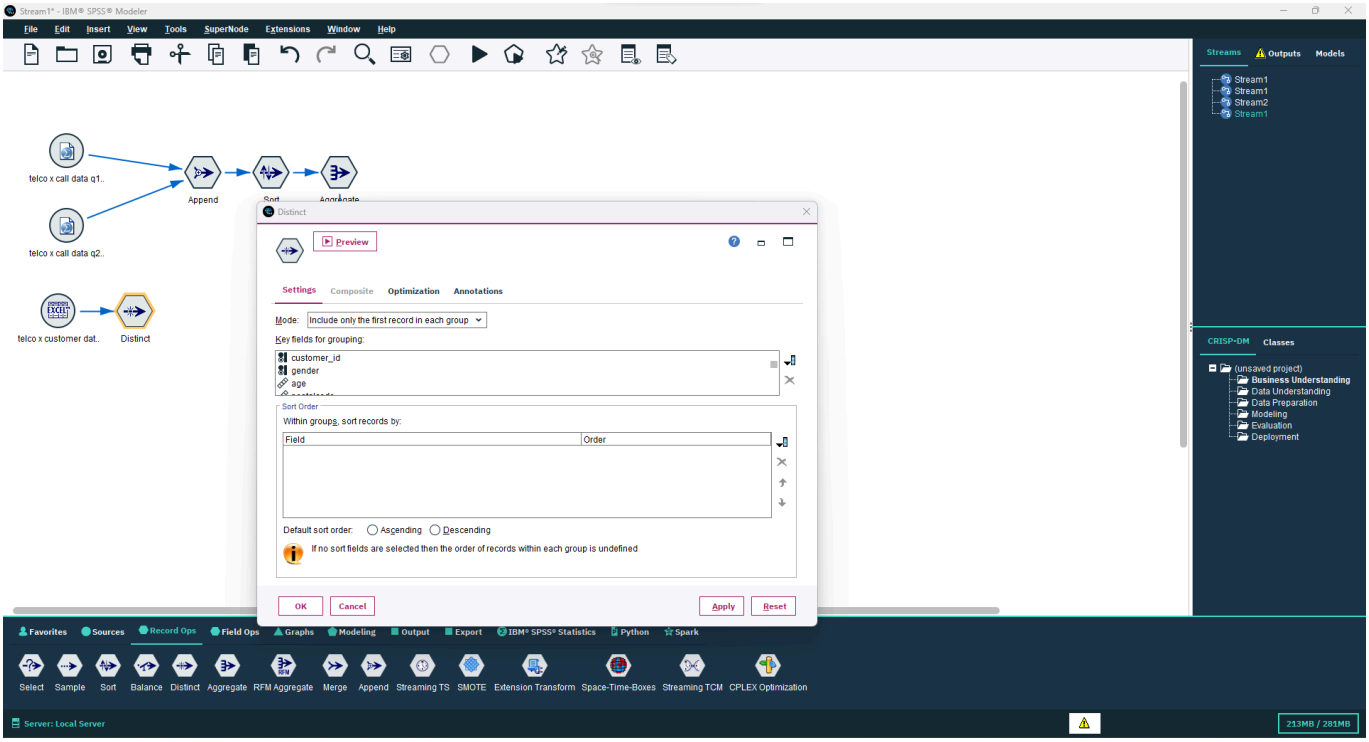
Table Annotations

	customer_id	peak_calls_Sum	peak_mins_Sum	offpeak_calls_Sum	offpeak_mins_Sum	weekend_calls_Sum	weekend_mins_Sum	international_mins_Sum	International_calls_Sum	Record_Count
1	K100010	14.000	36.131	10.000	7.973	24.000	14.533	0.705	7.000	6
2	K100020	54.000	39.437	34.000	21.153	0.000	0.000	4.609	0.000	6
3	K100030	44.000	72.600	1.000	27.600	22.000	37.200	7.700	0.000	6
4	K100040	44.000	72.600	1.000	27.600	22.000	37.200	8.621	1.000	6
5	K100050	32.000	40.608	14.000	18.824	1.000	1.234	2.494	0.000	6
6	K100060	56.000	46.260	6.000	11.085	8.000	10.233	0.858	0.000	6
7	K100070	68.000	56.370	6.000	4.012	1.000	4.012	3.189	0.000	6
8	K100080	40.000	51.043	13.000	34.802	5.000	14.230	6.734	0.000	6
9	K100090	54.000	99.000	34.000	53.100	0.000	0.000	12.404	0.000	6
10	K100100	37.000	65.400	17.000	29.400	0.000	0.000	2.074	0.000	6
11	K100110	37.000	65.400	17.000	29.400	0.000	0.000	2.062	0.000	6
12	K100120	61.000	68.123	34.000	33.880	8.000	8.334	6.031	0.000	6
13	K100130	73.000	63.352	31.000	26.803	1.000	3.046	12.062	0.000	6
14	K100140	40.000	41.447	23.000	16.133	16.000	14.209	8.364	4.000	6
15	K100150	54.000	96.000	9.000	34.800	14.000	22.800	25.436	2.000	6
16	K100160	15.000	41.342	17.000	23.841	6.000	13.189	3.675	0.000	6
17	K100170	62.000	100.200	17.000	31.500	5.000	9.000	2.547	1.000	6
18	K100180	57.000	41.918	32.000	21.827	6.000	11.988	10.687	0.000	6
19	K100190	64.000	58.782	12.000	28.749	2.000	3.533	9.348	0.000	6
20	K100200	50.000	84.600	15.000	27.900	21.000	42.000	6.155	1.000	6
21	K100210	50.000	84.600	15.000	27.900	21.000	42.000	6.355	0.000	6

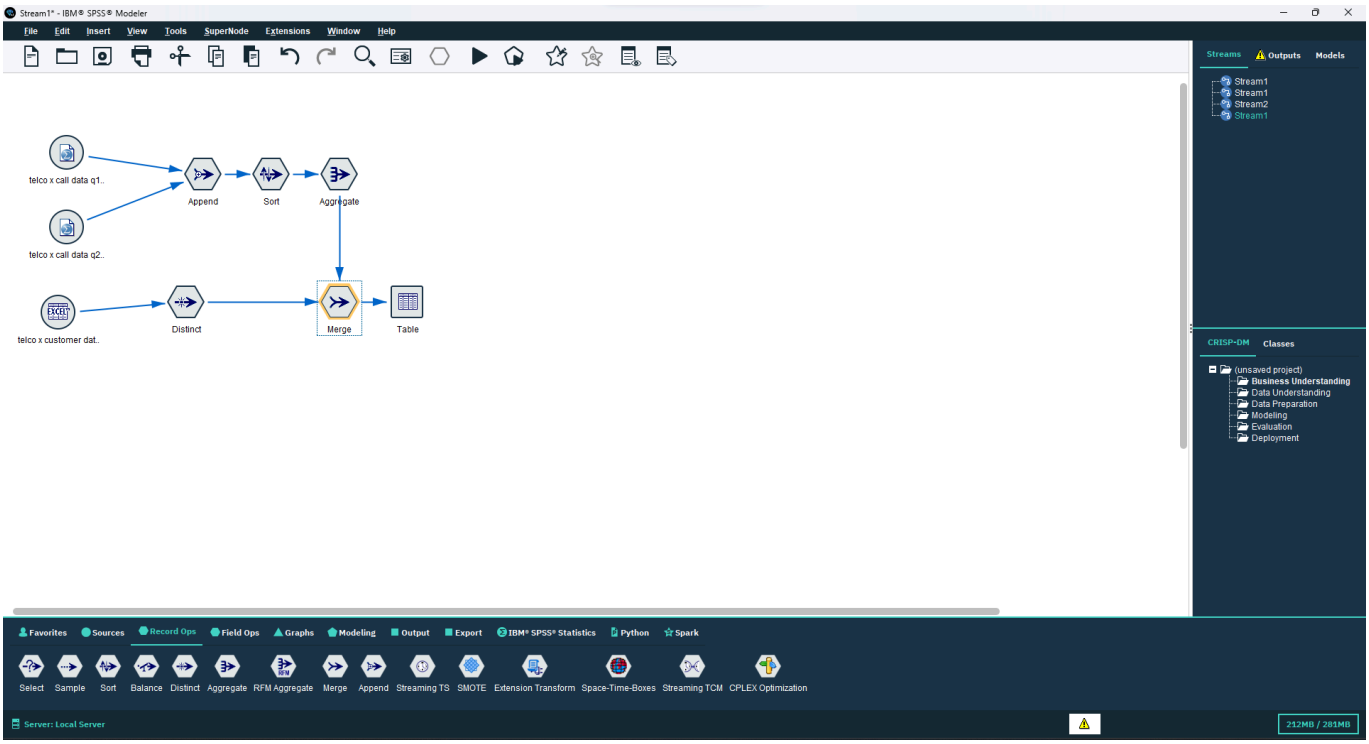
Step 8: Now we import a new data set telco x customer data.xlxs which is an excel file.



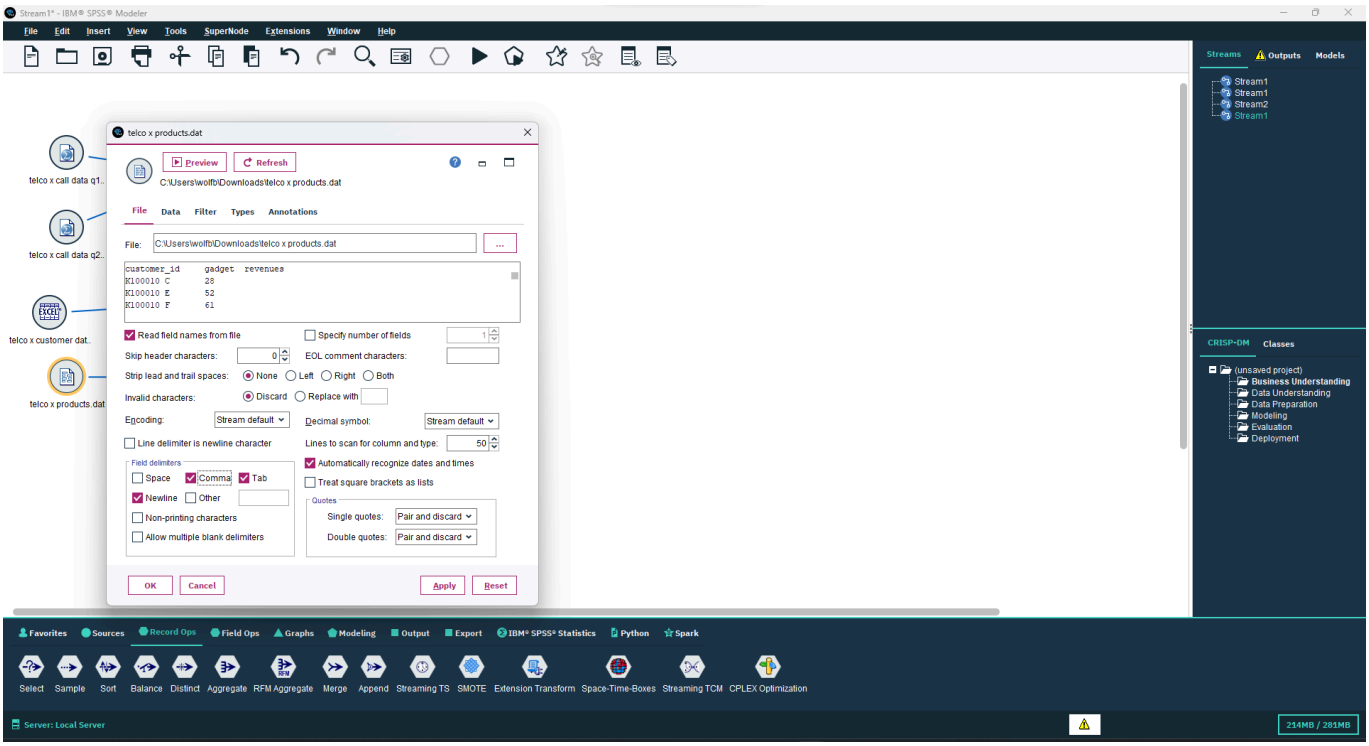
Step 9: Connect a Distinct node from Record ops and take all the fields of the data set as key fields in Distinct node by double clicking the Distinct node. And select Include only first record from each group.



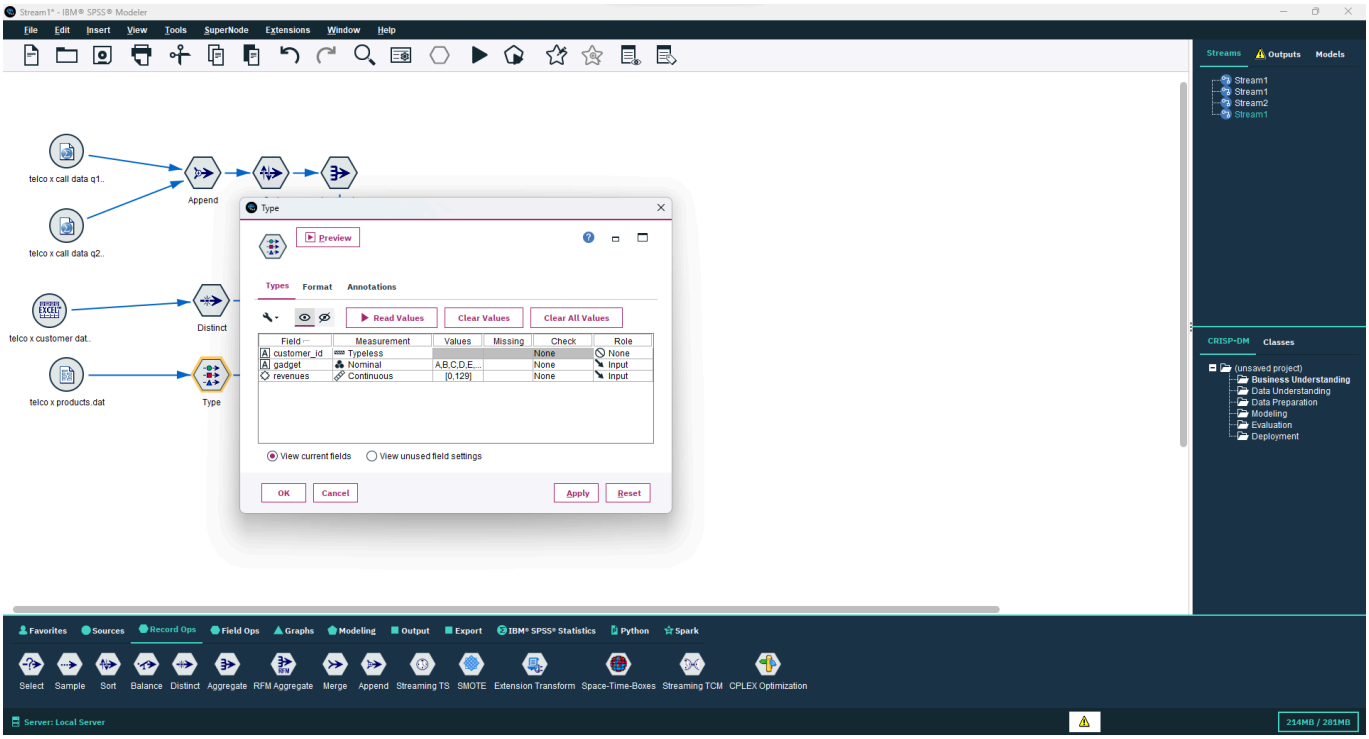
Step 10: Connect the Distinct node to Merge node.



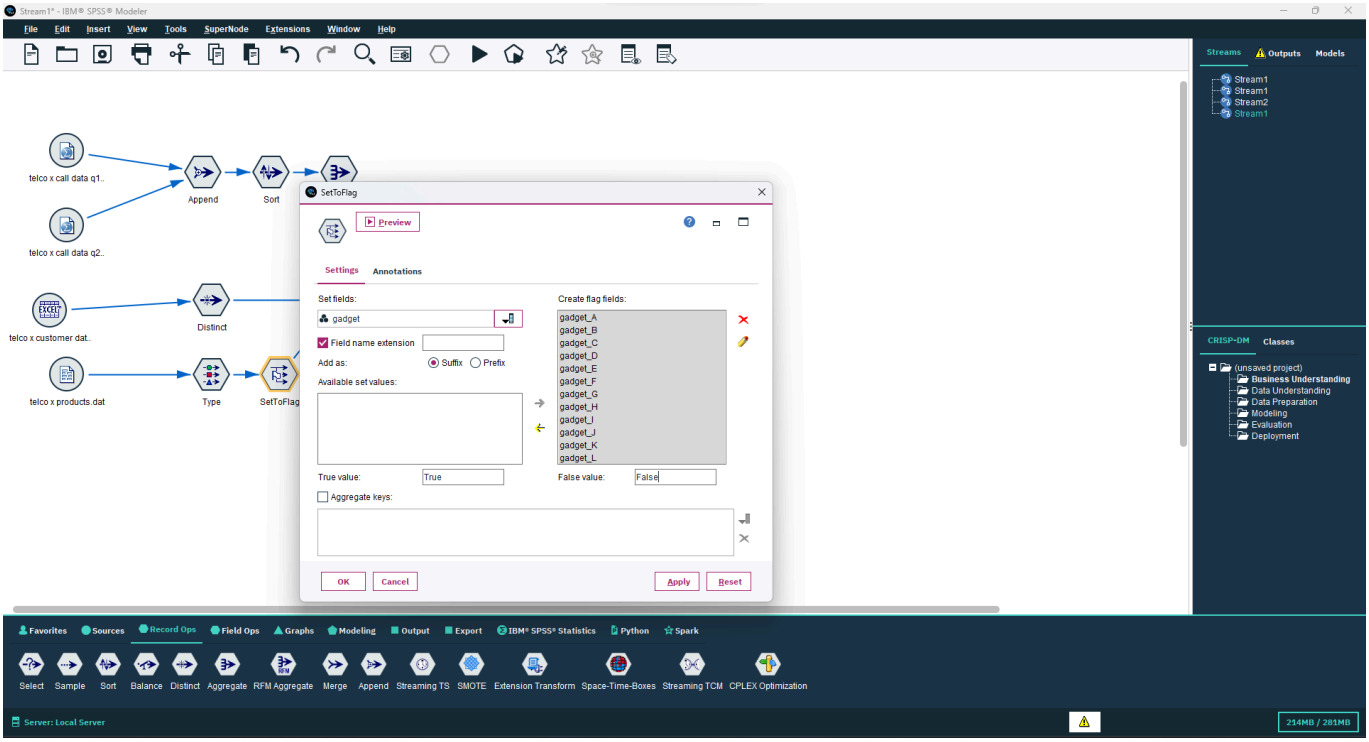
Step 11: Take a var file node from Sources Category and import telco x products.dat.



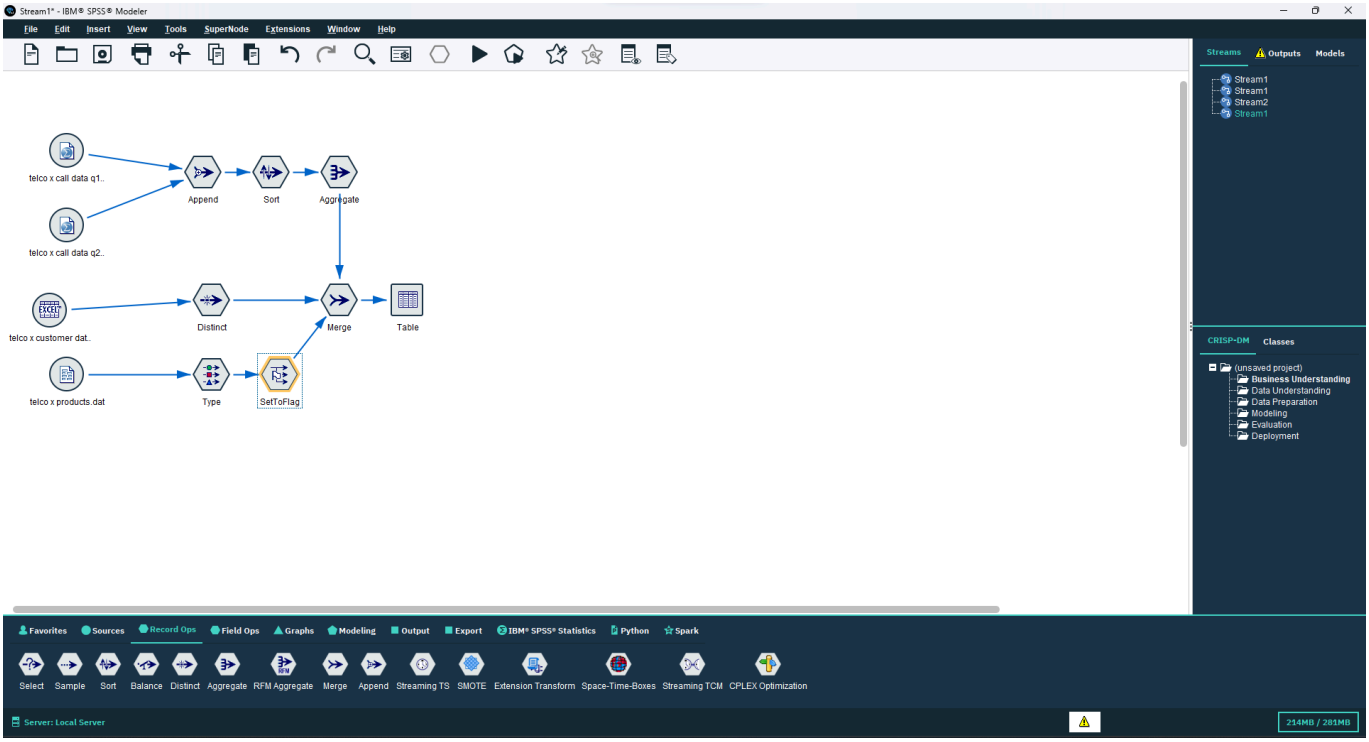
Step 12: Connect Type node to the new var file and get the specific category of all values by clicking on Read Values button in Type node window.



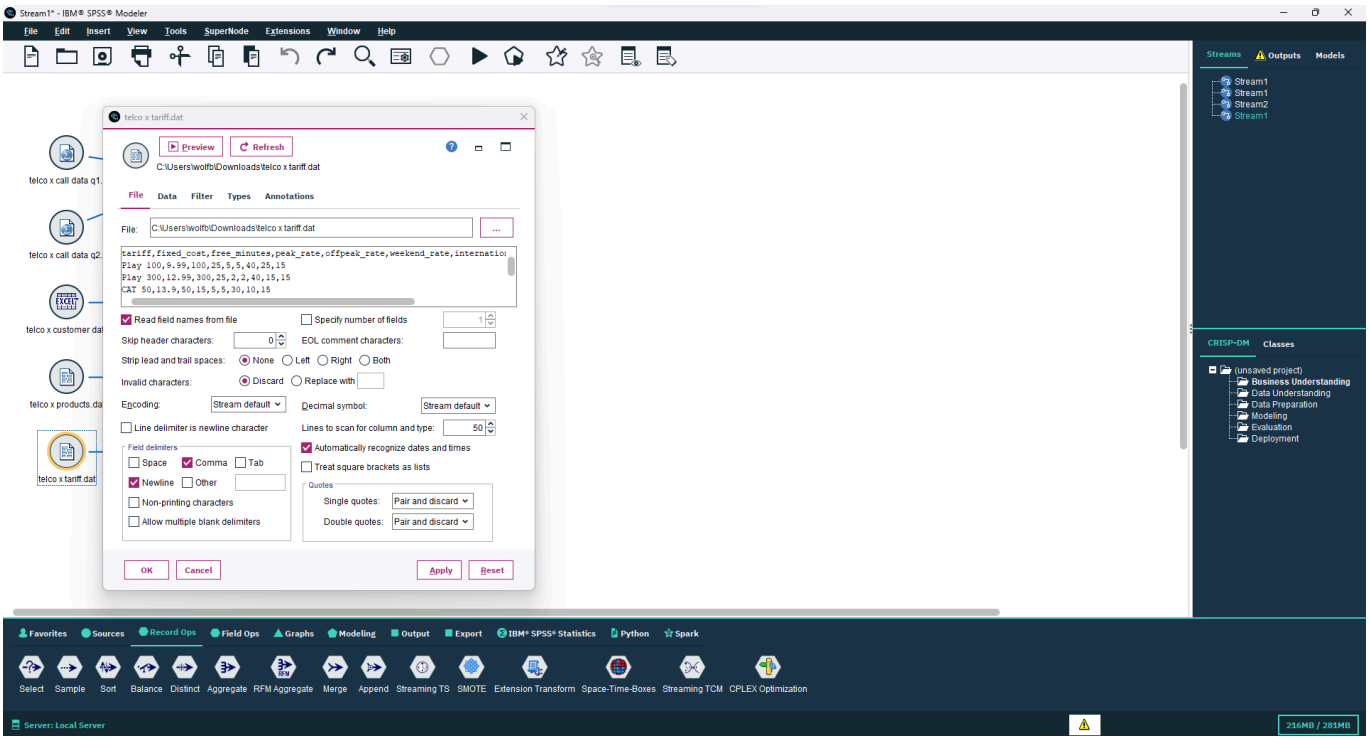
Step 13: Now we connect type node to Set to flag node and select gadget in Set fields section in Set to flag window and all the values should be selected and sent to Create Flag Fields.



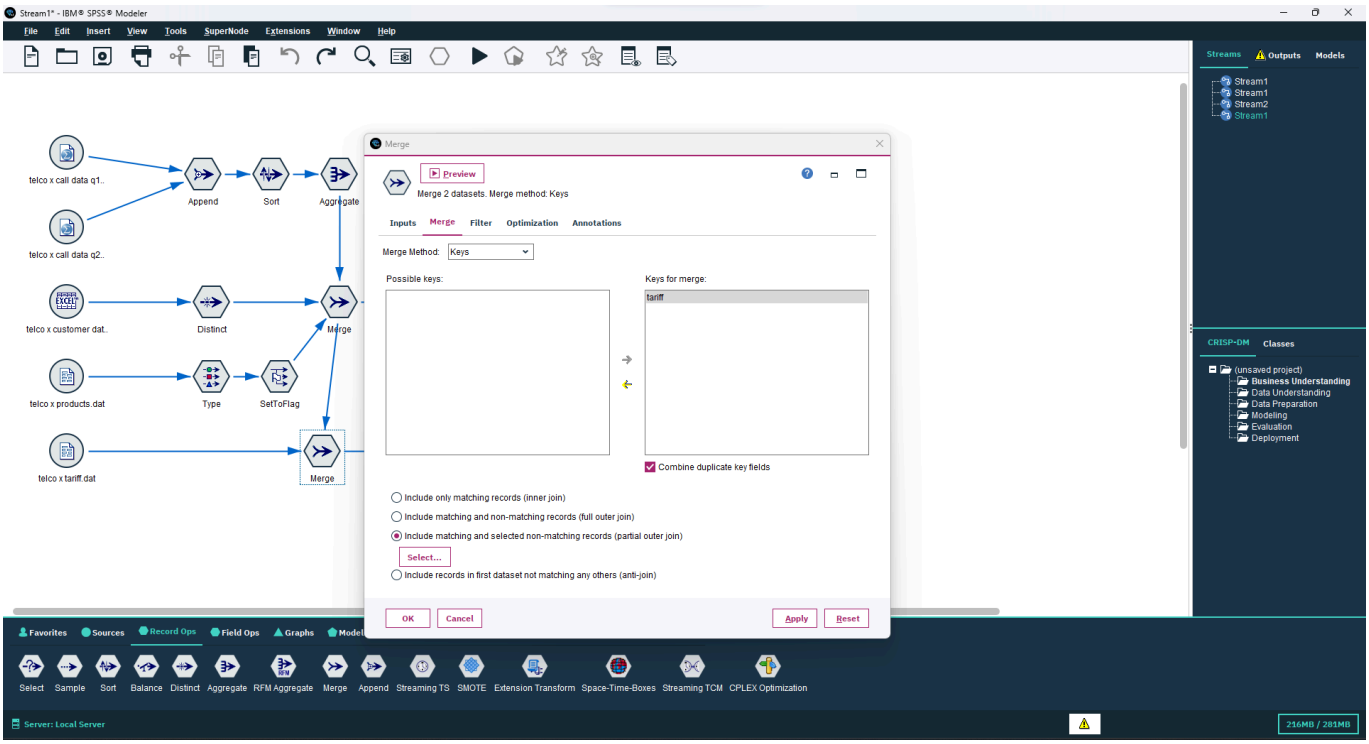
Step 14: Connect the Set to Flag node to Merge node.

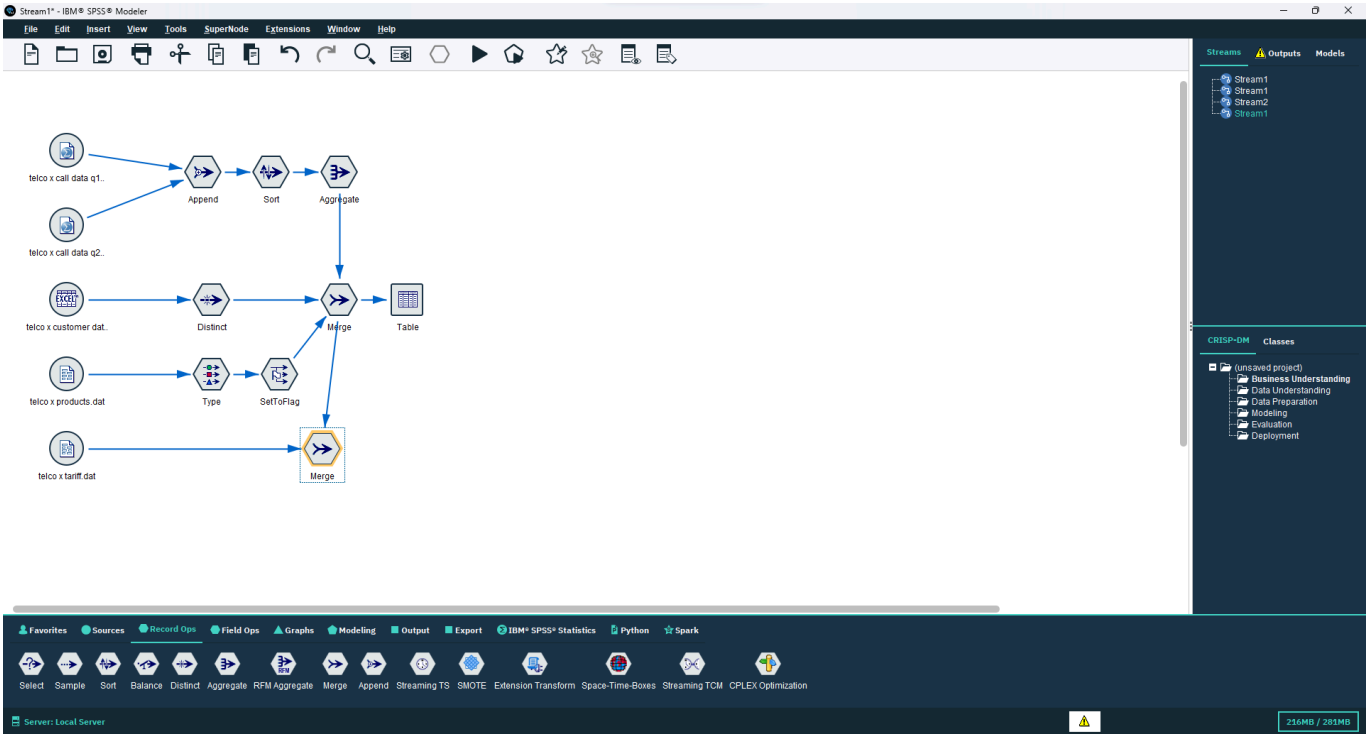


Step 15: Now we add another var file telco x tariff.dat

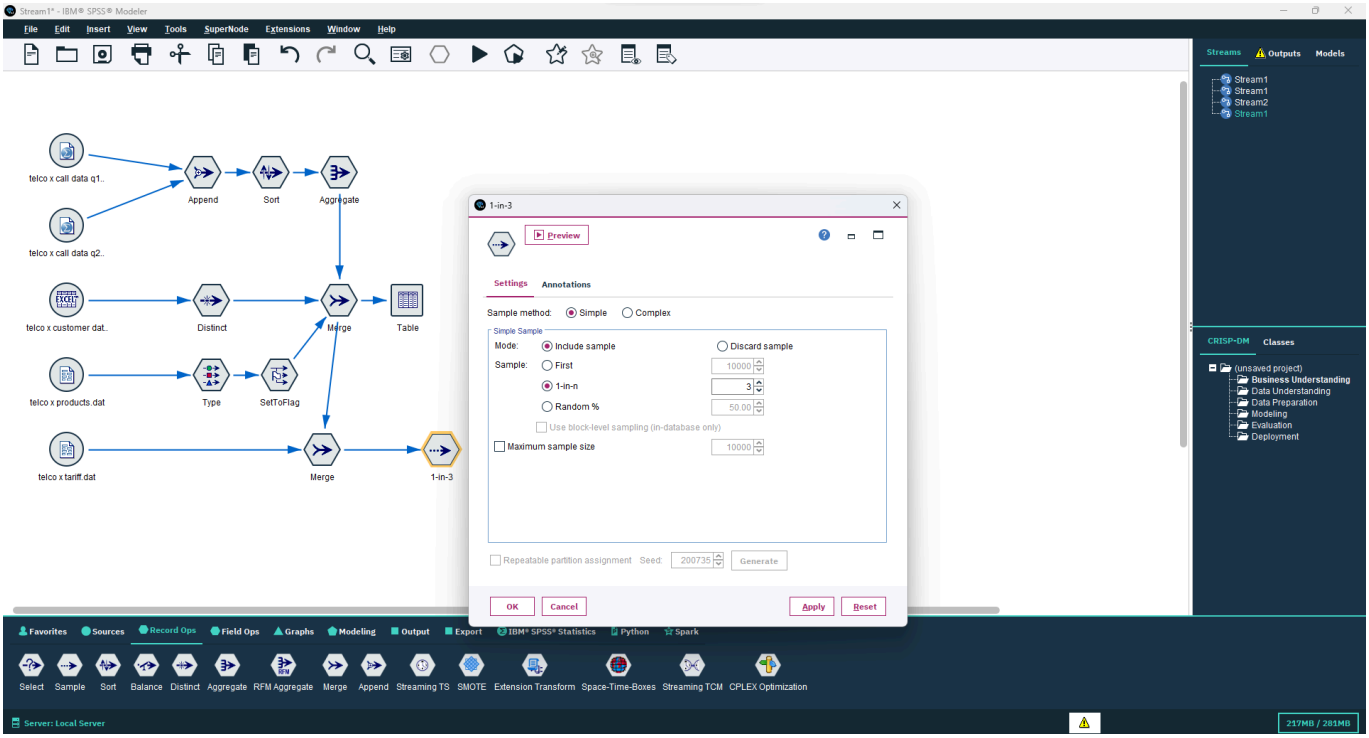


Step 16: Connect Merge node to the new var file and take tariff as key field and partial outer join in the Merge node window then connect the previous Merge Node to the new one Which is connected to telco x tariff.dat.





Step 17: Then connect the sample node from the Record ops to the Merge node connected to telco x tariff.dat.
Sample node is used to take a part of data from a data set to test the data set.
Open the Sample node window by double clicking on it and now select 1 in n rule now we choose a integer in place of n.
If we choose 3 in place of n the result will show the first record and then the third record skipping the record on the second place.



Step 18: Connect Table node to Sample node to view the final result which will show sample data of the four joint data sets.

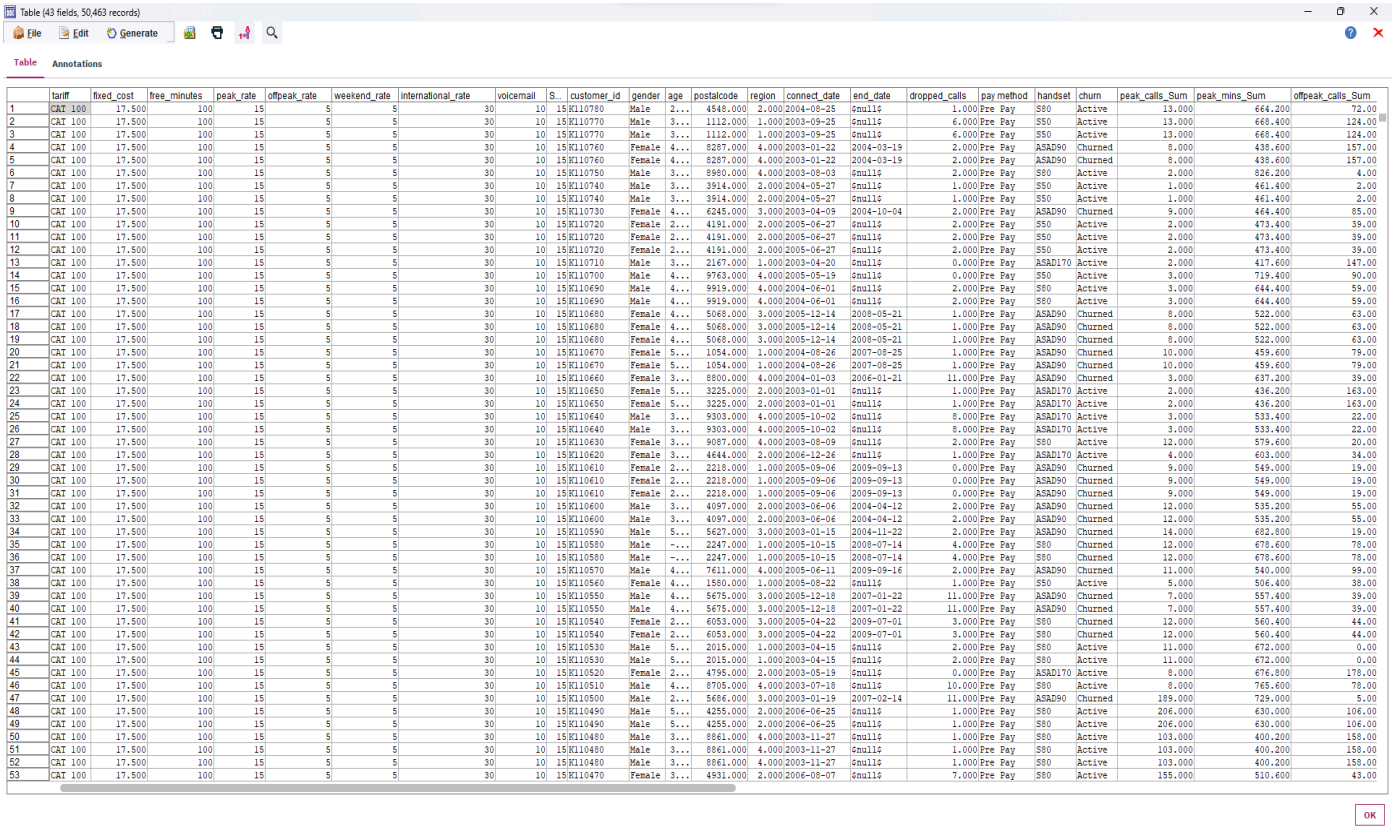


Table (43 fields, 50,463 records)

File Edit Generate

Table Annotations

	tariff	fixed_cost	free_minutes	peak_rate	offpeak_rate	weekend_rate	international_rate	voicemail	S..	customer_id	gender	age	postalcode	region	connect_date	end_date	dropped_calls	pay method	handset	churn	peak_calls_Sum	peak_mins_Sum	offpeak_calls_Sum
1	CAT 100	17.500	100	15	5	5	30	10	15	K110780	Male	2...	4548.000	2.000	2004-08-25	$null$	1.000	Pre Pay	S80	Active	13.000	664.200	72.00
2	CAT 100	17.500	100	15	5	5	30	10	15	K110770	Male	3...	1112.000	1.000	2003-09-25	$null$	6.000	Pre Pay	S50	Active	13.000	668.400	124.00
3	CAT 100	17.500	100	15	5	5	30	10	15	K110770	Male	3...	1112.000	1.000	2003-09-25	$null$	6.000	Pre Pay	S50	Active	13.000	668.400	124.00
4	CAT 100	17.500	100	15	5	5	30	10	15	K110760	Female	4...	8287.000	4.000	2003-01-22	2004-03-19	2.000	Pre Pay	ASAD90	Churned	8.000	438.600	157.00
5	CAT 100	17.500	100	15	5	5	30	10	15	K110760	Female	4...	8287.000	4.000	2003-01-22	2004-03-19	2.000	Pre Pay	ASAD90	Churned	8.000	438.600	157.00
6	CAT 100	17.500	100	15	5	5	30	10	15	K110750	Male	3...	8980.000	4.000	2003-08-03	$null$	2.000	Pre Pay	S80	Active	2.000	826.200	4.00
7	CAT 100	17.500	100	15	5	5	30	10	15	K110740	Male	3...	3914.000	2.000	2004-05-27	$null$	1.000	Pre Pay	S50	Active	1.000	461.400	2.00
8	CAT 100	17.500	100	15	5	5	30	10	15	K110740	Male	3...	3914.000	2.000	2004-05-27	$null$	1.000	Pre Pay	S50	Active	1.000	461.400	2.00
9	CAT 100	17.500	100	15	5	5	30	10	15	K110730	Female	4...	6245.000	3.000	2003-04-09	2004-10-04	2.000	Pre Pay	ASAD90	Churned	9.000	464.400	85.00
10	CAT 100	17.500	100	15	5	5	30	10	15	K110720	Female	2...	4191.000	2.000	2005-06-27	$null$	2.000	Pre Pay	S50	Active	2.000	473.400	39.00
11	CAT 100	17.500	100	15	5	5	30	10	15	K110720	Female	2...	4191.000	2.000	2005-06-27	$null$	2.000	Pre Pay	S50	Active	2.000	473.400	39.00
12	CAT 100	17.500	100	15	5	5	30	10	15	K110720	Female	2...	4191.000	2.000	2005-06-27	$null$	2.000	Pre Pay	S50	Active	2.000	473.400	39.00
13	CAT 100	17.500	100	15	5	5	30	10	15	K110710	Male	3...	2167.000	1.000	2003-04-20	$null$	0.000	Pre Pay	ASAD170	Active	2.000	417.600	147.00
14	CAT 100	17.500	100	15	5	5	30	10	15	K110700	Male	4...	9763.000	4.000	2005-05-19	$null$	0.000	Pre Pay	S50	Active	3.000	719.400	90.00
15	CAT 100	17.500	100	15	5	5	30	10	15	K110690	Male	4...	9919.000	4.000	2004-06-01	$null$	2.000	Pre Pay	S80	Active	3.000	644.400	59.00
16	CAT 100	17.500	100	15	5	5	30	10	15	K110690	Male	4...	9919.000	4.000	2004-06-01	$null$	2.000	Pre Pay	S80	Active	3.000	644.400	59.00
17	CAT 100	17.500	100	15	5	5	30	10	15	K110680	Female	4...	5068.000	3.000	2005-12-14	2008-05-21	1.000	Pre Pay	ASAD90	Churned	8.000	522.000	63.00
18	CAT 100	17.500	100	15	5	5	30	10	15	K110680	Female	4...	5068.000	3.000	2005-12-14	2008-05-21	1.000	Pre Pay	ASAD90	Churned	8.000	522.000	63.00
19	CAT 100	17.500	100	15	5	5	30	10	15	K110680	Female	4...	5068.000	3.000	2005-12-14	2008-05-21	1.000	Pre Pay	ASAD90	Churned	8.000	522.000	63.00
20	CAT 100	17.500	100	15	5	5	30	10	15	K110670	Female	5...	1054.000	1.000	2004-08-26	2007-08-25	1.000	Pre Pay	ASAD90	Churned	10.000	459.600	79.00
21	CAT 100	17.500	100	15	5	5	30	10	15	K110670	Female	5...	1054.000	1.000	2004-08-26	2007-08-25	1.000	Pre Pay	ASAD90	Churned	10.000	459.600	79.00
22	CAT 100	17.500	100	15	5	5	30	10	15	K110660	Female	3...	8800.000	4.000	2004-01-03	2006-01-21	11.000	Pre Pay	ASAD90	Churned	3.000	637.200	39.00
23	CAT 100	17.500	100	15	5	5	30	10	15	K110650	Female	5...	3225.000	2.000	2003-01-01	$null$	1.000	Pre Pay	ASAD170	Active	2.000	436.200	163.00
24	CAT 100	17.500	100	15	5	5	30	10	15	K110650	Female	5...	3225.000	2.000	2003-01-01	$null$	1.000	Pre Pay	ASAD170	Active	2.000	436.200	163.00
25	CAT 100	17.500	100	15	5	5	30	10	15	K110640	Male	3...	9303.000	4.000	2005-10-02	$null$	8.000	Pre Pay	ASAD170	Active	3.000	533.400	22.00
26	CAT 100	17.500	100	15	5	5	30	10	15	K110640	Male	3...	9303.000	4.000	2005-10-02	$null$	8.000	Pre Pay	ASAD170	Active	3.000	533.400	22.00
27	CAT 100	17.500	100	15	5	5	30	10	15	K110630	Female	3...	9087.000	4.000	2003-08-09	$null$	2.000	Pre Pay	S80	Active	12.000	579.600	20.00
28	CAT 100	17.500	100	15	5	5	30	10	15	K110620	Female	3...	4644.000	2.000	2006-12-26	$null$	1.000	Pre Pay	ASAD170	Active	4.000	603.000	34.00
29	CAT 100	17.500	100	15	5	5	30	10	15	K110610	Female	2...	2218.000	1.000	2005-09-06	2009-09-13	0.000	Pre Pay	ASAD90	Churned	9.000	549.000	19.00
30	CAT 100	17.500	100	15	5	5	30	10	15	K110610	Female	2...	2218.000	1.000	2005-09-06	2009-09-13	0.000	Pre Pay	ASAD90	Churned	9.000	549.000	19.00
31	CAT 100	17.500	100	15	5	5	30	10	15	K110610	Female	2...	2218.000	1.000	2005-09-06	2009-09-13	0.000	Pre Pay	ASAD90	Churned	9.000	549.000	19.00
32	CAT 100	17.500	100	15	5	5	30	10	15	K110600	Male	3...	4097.000	2.000	2003-06-06	2004-04-12	2.000	Pre Pay	ASAD90	Churned	12.000	535.200	55.00
33	CAT 100	17.500	100	15	5	5	30	10	15	K110600	Male	3...	4097.000	2.000	2003-06-06	2004-04-12	2.000	Pre Pay	ASAD90	Churned	12.000	535.200	55.00
34	CAT 100	17.500	100	15	5	5	30	10	15	K110590	Male	5...	5627.000	3.000	2003-01-15	2004-11-22	2.000	Pre Pay	ASAD90	Churned	14.000	682.800	19.00
35	CAT 100	17.500	100	15	5	5	30	10	15	K110580	Male	-...	2247.000	1.000	2005-10-15	2008-07-14	4.000	Pre Pay	S80	Churned	12.000	678.600	78.00
36	CAT 100	17.500	100	15	5	5	30	10	15	K110580	Male	-...	2247.000	1.000	2005-10-15	2008-07-14	4.000	Pre Pay	S80	Churned	12.000	678.600	78.00
37	CAT 100	17.500	100	15	5	5	30	10	15	K110570	Male	4...	7611.000	4.000	2005-06-11	2009-09-16	2.000	Pre Pay	ASAD90	Churned	11.000	540.000	99.00
38	CAT 100	17.500	100	15	5	5	30	10	15	K110560	Female	4...	1580.000	1.000	2005-03-22	$null$	1.000	Pre Pay	S50	Active	5.000	506.400	38.00
39	CAT 100	17.500	100	15	5	5	30	10	15	K110550	Male	4...	5675.000	3.000	2005-12-18	2007-01-22	11.000	Pre Pay	ASAD90	Churned	7.000	557.400	39.00
40	CAT 100	17.500	100	15	5	5	30	10	15	K110550	Male	4...	5675.000	3.000	2005-12-18	2007-01-22	11.000	Pre Pay	ASAD90	Churned	7.000	557.400	39.00
41	CAT 100	17.500	100	15	5	5	30	10	15	K110540	Female	2...	6053.000	3.000	2005-04-22	2009-07-01	3.000	Pre Pay	S80	Churned	12.000	560.400	44.00
42	CAT 100	17.500	100	15	5	5	30	10	15	K110540	Female	2...	6053.000	3.000	2005-04-22	2009-07-01	3.000	Pre Pay	S80	Churned	12.000	560.400	44.00
43	CAT 100	17.500	100	15	5	5	30	10	15	K110530	Male	5...	2015.000	1.000	2003-04-15	$null$	2.000	Pre Pay	S80	Active	11.000	672.000	0.00
44	CAT 100	17.500	100	15	5	5	30	10	15	K110530	Male	5...	2015.000	1.000	2003-04-15	$null$	2.000	Pre Pay	S80	Active	11.000	672.000	0.00
45	CAT 100	17.500	100	15	5	5	30	10	15	K110520	Female	2...	4795.000	2.000	2003-05-19	$null$	0.000	Pre Pay	ASAD170	Active	8.000	676.800	178.00
46	CAT 100	17.500	100	15	5	5	30	10	15	K110510	Male	4...	8705.000	4.000	2003-07-18	$null$	10.000	Pre Pay	S80	Active	8.000	765.600	78.00
47	CAT 100	17.500	100	15	5	5	30	10	15	K110500	Male	2...	5686.000	3.000	2003-01-19	2007-02-14	11.000	Pre Pay	ASAD90	Churned	189.000	729.000	5.00
48	CAT 100	17.500	100	15	5	5	30	10	15	K110490	Male	5...	4255.000	2.000	2006-06-25	$null$	1.000	Pre Pay	S80	Active	206.000	630.000	106.00
49	CAT 100	17.500	100	15	5	5	30	10	15	K110490	Male	5...	4255.000	2.000	2006-06-25	$null$	1.000	Pre Pay	S80	Active	206.000	630.000	106.00
50	CAT 100	17.500	100	15	5	5	30	10	15	K110480	Male	3...	8861.000	4.000	2003-11-27	$null$	1.000	Pre Pay	S80	Active	103.000	400.200	158.00
51	CAT 100	17.500	100	15	5	5	30	10	15	K110480	Male	3...	8861.000	4.000	2003-11-27	$null$	1.000	Pre Pay	S80	Active	103.000	400.200	158.00
52	CAT 100	17.500	100	15	5	5	30	10	15	K110480	Male	3...	8861.000	4.000	2003-11-27	$null$	1.000	Pre Pay	S80	Active	103.000	400.200	158.00
53	CAT 100	17.500	100	15	5	5	30	10	15	K110470	Female	3...	4931.000	2.000	2006-08-07	$null$	7.000	Pre Pay	S80	Active	155.000	510.600	43.00

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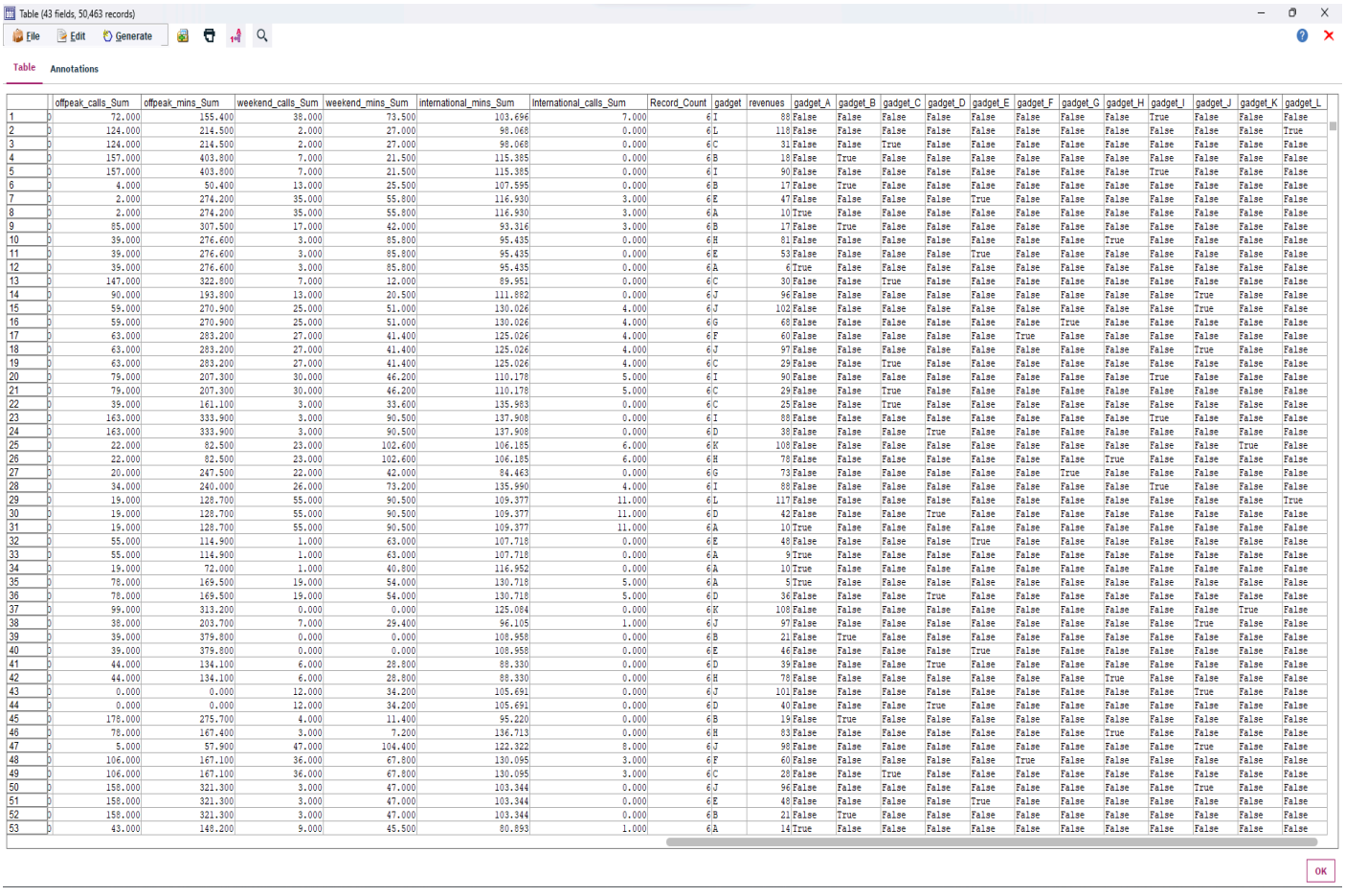

Table (43 fields, 50,463 records)

File Edit Generate

Table Annotations

	offpeak_calls_Sum	offpeak_mins_Sum	weekend_calls_Sum	weekend_mins_Sum	international_mins_Sum	International_calls_Sum	Record_Count	gadget	revenues	gadget_A	gadget_B	gadget_C	gadget_D	gadget_E	gadget_F	gadget_G	gadget_H	gadget_I	gadget_J	gadget_K	gadget_L
1	72.000	155.400	38.000	73.500	103.696	7.000	6	I	88	False	False	False	False	False	False	False	False	True	False	False	False
2	124.000	214.500	2.000	27.000	98.068	0.000	6	L	118	False	False	False	False	False	False	False	False	False	False	False	True
3	124.000	214.500	2.000	27.000	98.068	0.000	6	C	31	False	False	True	False	False	False	False	False	False	False	False	False
4	157.000	403.800	7.000	21.500	115.385	0.000	6	B	18	False	True	False	False	False	False	False	False	False	False	False	False
5	157.000	403.800	7.000	21.500	115.385	0.000	6	I	90	False	False	False	False	False	False	False	False	True	False	False	False
6	4.000	50.400	13.000	25.500	107.595	0.000	6	B	17	False	True	False	False	False	False	False	False	False	False	False	False
7	2.000	274.200	35.000	55.800	116.930	3.000	6	E	47	False	False	False	False	True	False	False	False	False	False	False	False
8	2.000	274.200	35.000	55.800	116.930	3.000	6	A	10	True	False	False	False	False	False	False	False	False	False	False	False
9	85.000	307.500	17.000	42.000	93.316	3.000	6	B	17	False	True	False	False	False	False	False	False	False	False	False	False
10	39.000	276.600	3.000	85.800	95.435	0.000	6	H	81	False	False	False	False	False	False	False	True	False	False	False	False
11	39.000	276.600	3.000	85.800	95.435	0.000	6	E	53	False	False	False	False	True	False	False	False	False	False	False	False
12	39.000	276.600	3.000	85.800	95.435	0.000	6	A	6	True	False	False	False	False	False	False	False	False	False	False	False
13	147.000	322.800	7.000	12.000	99.951	0.000	6	C	30	False	False	True	False	False	False	False	False	False	False	False	False
14	90.000	193.800	13.000	20.500	111.882	0.000	6	J	96	False	False	False	False	False	False	False	False	False	True	False	False
15	59.000	270.900	25.000	51.000	130.026	4.000	6	J	102	False	False	False	False	False	False	False	False	False	True	False	False
16	59.000	270.900	25.000	51.000	130.026	4.000	6	G	68	False	False	False	False	False	False	True	False	False	False	False	False
17	63.000	283.200	27.000	41.400	125.026	4.000	6	F	60	False	False	False	False	False	True	False	False	False	False	False	False
18	63.000	283.200	27.000	41.400	125.026	4.000	6	J	97	False	False	False	False	False	False	False	False	False	True	False	False
19	63.000	283.200	27.000	41.400	125.026	4.000	6	C	29	False	False	True	False	False	False	False	False	False	False	False	False
20	79.000	207.300	30.000	46.200	110.178	5.000	6	I	90	False	False	False	False	False	False	False	False	True	False	False	False
21	79.000	207.300	30.000	46.200	110.178	5.000	6	C	29	False	False	True	False	False	False	False	False	False	False	False	False
22	39.000	161.100	3.000	33.600	135.983	0.000	6	C	25	False	False	True	False	False	False	False	False	False	False	False	False
23	163.000	333.900	3.000	90.500	137.908	0.000	6	I	88	False	False	False	False	False	False	False	False	True	False	False	False
24	163.000	333.900	3.000	90.500	137.908	0.000	6	D	38	False	False	False	True	False	False	False	False	False	False	False	False
25	22.000	82.500	23.000	102.600	106.185	6.000	6	K	108	False	False	False	False	False	False	False	False	False	False	True	False
26	22.000	82.500	23.000	102.600	106.185	6.000	6	H	78	False	False	False	False	False	False	False	True	False	False	False	False
27	20.000	247.500	22.000	42.000	84.463	0.000	6	G	73	False	False	False	False	False	False	True	False	False	False	False	False
28	34.000	240.000	26.000	73.200	135.990	4.000	6	I	88	False	False	False	False	False	False	False	False	True	False	False	False
29	19.000	128.700	55.000	90.500	109.377	11.000	6	L	117	False	False	False	False	False	False	False	False	False	False	False	True
30	19.000	128.700	55.000	90.500	109.377	11.000	6	D	42	False	False	False	True	False	False	False	False	False	False	False	False
31	19.000	128.700	55.000	90.500	109.377	11.000	6	A	10	True	False	False	False	False	False	False	False	False	False	False	False
32	55.000	114.900	1.000	63.000	107.718	0.000	6	E	48	False	False	False	False	True	False	False	False	False	False	False	False
33	55.000	114.900	1.000	63.000	107.718	0.000	6	A	9	True	False	False	False	False	False	False	False	False	False	False	False
34	19.000	72.000	1.000	40.800	116.952	0.000	6	A	10	True	False	False	False	False	False	False	False	False	False	False	False
35	78.000	169.500	19.000	54.000	130.718	5.000	6	A	5	True	False	False	False	False	False	False	False	False	False	False	False
36	78.000	169.500	19.000	54.000	130.718	5.000	6	D	36	False	False	False	True	False	False	False	False	False	False	False	False
37	99.000	313.200	0.000	0.000	125.084	0.000	6	K	108	False	False	False	False	False	False	False	False	False	False	True	False
38	38.000	203.700	7.000	29.400	96.105	1.000	6	J	97	False	False	False	False	False	False	False	False	False	True	False	False
39	39.000	379.800	0.000	0.000	108.958	0.000	6	B	21	False	True	False	False	False	False	False	False	False	False	False	False
40	39.000	379.800	0.000	0.000	108.958	0.000	6	E	46	False	False	False	False	True	False	False	False	False	False	False	False
41	44.000	134.100	6.000	28.800	88.330	0.000	6	D	39	False	False	False	True	False	False	False	False	False	False	False	False
42	44.000	134.100	6.000	28.800	88.330	0.000	6	H	78	False	False	False	False	False	False	False	True	False	False	False	False
43	0.000	0.000	12.000	34.200	105.691	0.000	6	J	101	False	False	False	False	False	False	False	False	False	True	False	False
44	0.000	0.000	12.000	34.200	105.691	0.000	6	D	40	False	False	False	True	False	False	False	False	False	False	False	False
45	178.000	275.700	4.000	11.400	95.220	0.000	6	B	19	False	True	False	False	False	False	False	False	False	False	False	False
46	78.000	167.400	3.000	7.200	136.713	0.000	6	H	83	False	False	False	False	False	False	False	True	False	False	False	False
47	5.000	57.900	47.000	104.400	122.322	8.000	6	J	98	False	False	False	False	False	False	False	False	False	True	False	False
48	106.000	167.100	36.000	67.800	130.095	3.000	6	F	60	False	False	False	False	False	True	False	False	False	False	False	False
49	106.000	167.100	36.000	67.800	130.095	3.000	6	C	28	False	False	True	False	False	False	False	False	False	False	False	False
50	158.000	321.300	3.000	47.000	103.344	0.000	6	J	96	False	False	False	False	False	False	False	False	False	True	False	False
51	158.000	321.300	3.000	47.000	103.344	0.000	6	E	48	False	False	False	False	True	False	False	False	False	False	False	False
52	158.000	321.300	3.000	47.000	103.344	0.000	6	B	21	False	True	False	False	False	False	False	False	False	False	False	False
53	43.000	148.200	9.000	45.500	80.893	1.000	6	A	14	True	False	False	False	False	False	False	False	False	False	False	False

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