

Traceis™ Data Exploration Studio Summary table

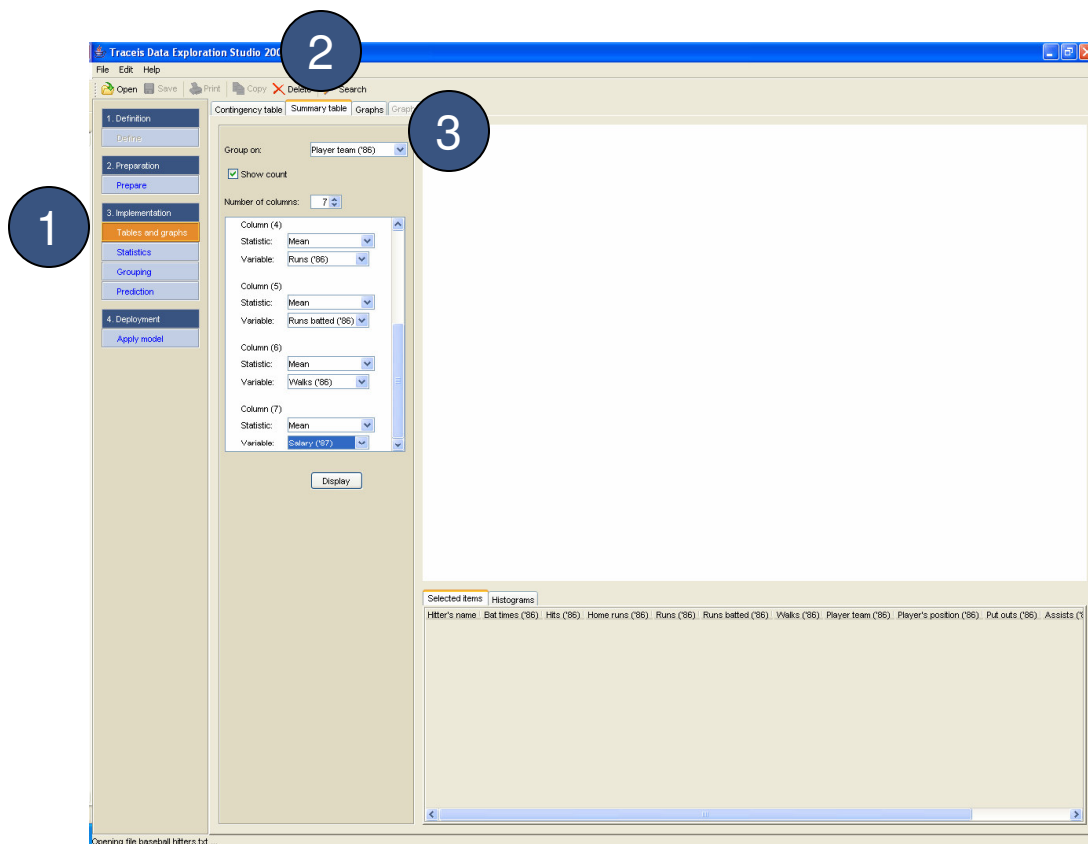
1 Select tables and graphs step

This example uses the baseball hitters dataset. To generate a summary table, click on the tables and graphs step.

2 Select summary table tab

3 Select categorical variable to group on

A summary table will be generated where each row is a group of observations sharing a particular value for the 'group on' variable. In this example, Player team('86) was selected.



MAKING SENSE OF DATA

1 Optionally view count

The number of observations for each row is optionally displayed.

2 Select number of summary columns

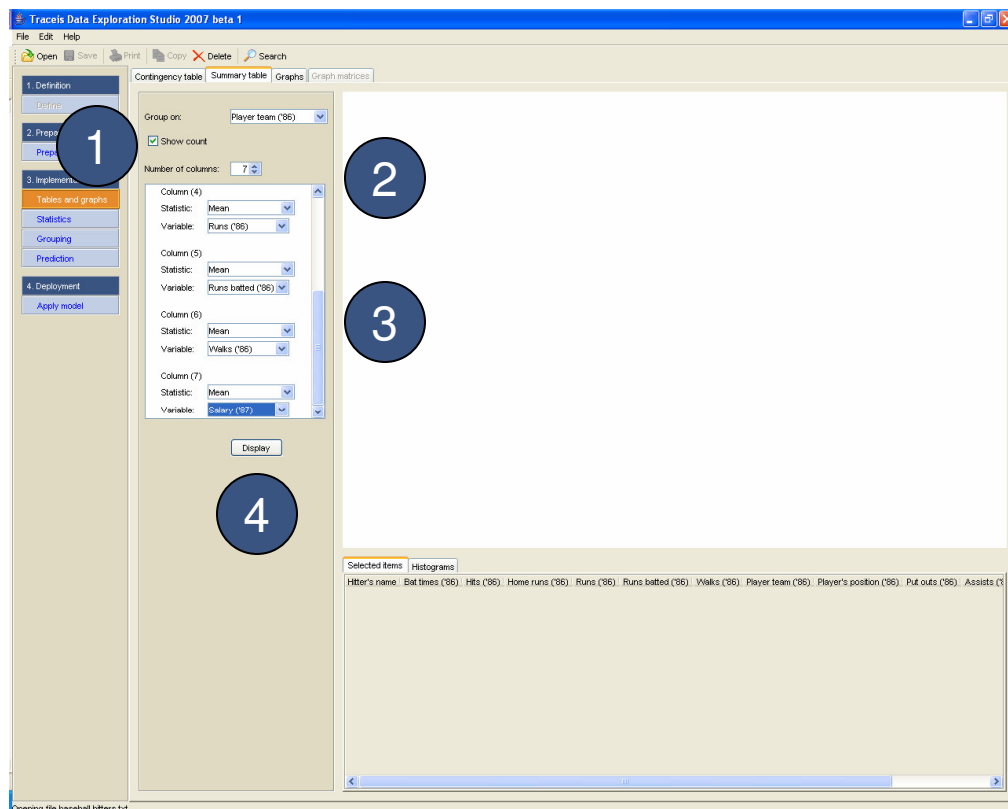
Additional columns that summarize other variables can be displayed.

3 Define summary columns

Each summarized column requires the selection of another variable to summarize along with a summary statistic (e.g. maximum value or mean). In this example, the mean of 7 additional columns (such as Salary ('87)) are displayed.

4 Display summary table

Click on the display button to view the summary table.



MAKING SENSE OF DATA

1

Common value

Each row represents a set of observations, all sharing the value in the first column.

2

Number of observations

The number of observations in each row is shown in the next columns.

3

Summarized columns

Each additional column defined is shown in the next columns. Any column may be sorted from low to high by clicking on the column header.

4

Selected row

Clicking on a row will display the selected observation.

Trace Data Exploration Studio 2007 beta 1

File Edit Help

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1. Definition
Define

2. Preparation
Prepare

3. Implementation
Tables and graphs
Statistics
Grouping
Prediction

4. Deployment
Apply model

Contingency table Summary table Graphs

Group on: Player team ('96)

☒ Show count

Number of columns: 7

Column (4)
Statistic: Mean
Variable: Runs ('96)

Column (5)
Statistic: Mean
Variable: Runs batted ('96)

Column (6)
Statistic: Mean
Variable: Walks ('96)

Column (7)
Statistic: Mean
Variable: Salary ('97)

Display

Player team ('96)	Count	Mean (Bat times ('96))	Mean (Hits ('96))	Mean (Home runs ('96))	Mean (Runs ('96))	Mean (Runs batted ('96))	Mean (Walks ('96))	Mean (Salary ('97))
S.F.	13	364	96.54	7.85	47.23	44.31	37.54	276.92
Sea.	11	423.64	110.91	12.45	59.36	53.82	46.55	282.5
Tex.	11	386.09	104.36	13.36	54.36	50.27	32.64	311.23
Pt.	9	377.89	99.76	10.44	46.44	49.67	40.33	337.17
Mon.	9	352.44	93.22	9	44.67	42.67	33.22	359.61
Mil.	10	327.3	85.4	8.9	43.1	36.3	31.7	436.25
L.A.	10	334.8	88.8	8.2	41.4	37.5	33.7	476
Min.	11	434.18	115.36	16.73	59.18	57.27	41.55	479.27
Cal.	10	402.7	105.2	13	59.7	59.4	50.2	486.42
Det.	11	397	105	16.55	61.55	59.27	45.36	497.62
S.D.	12	350.33	95.17	9.67	43.67	42.83	34.42	506.18
Hou.	10	410.6	113.2	11.1	63.9	61.7	39.2	519
Cle.	11	471.36	136.18	13.82	68.09	65.18	37.91	527.73
Cin.	10	404.9	107.6	12	56.9	51.3	43.3	533.82
K.C.	9	394.89	100.33	11.11	45.89	46	34	538.11
Chi.	22	412.73	106.32	11.18	50	49.18	37.14	538.26
Oak.	8	449.25	118.38	12.88	63.12	56.25	45.88	539.38
Phi.	10	368.1	95.8	9.3	52	47.9	38.4	590.58
S.L.	11	400.73	99	4.27	46.73	40.64	43.73	621.97
Bal.	10	379.3	101.6	11.9	51.3	47	40.2	633.5
Tor.	9	491.56	136.22	15.11	71.67	66.78	40.89	713.81
Atl.	8	386.88	96.62	9.88	45.12	41.88	44.62	716.88
N.Y.	20	443.45	125.85	14.8	68.35	62.85	53.5	843.73
Bos.	8	513.88	143.38	13.88	78	72.38	59.12	961.56

Selected items

Player's name	Bat times ('96)	Hits ('96)	Home runs ('96)	Runs ('96)	Runs batted ('96)	Walks ('96)	Player team ('96)	Player's position ('96)	Put outs ('96)	Assists
Alan Ashby	315	81	7	24	38	39	Hou.	C	832	43
Bill Dorian	550	152	6	92	37	81	Hou.	2B	262	329
Billy Hatcher	419	108	6	55	36	22	Hou.	CF	226	7
Craig Reynolds	313	78	6	32	41	12	Hou.	SS	106	206
Denny Walling	202	119	13	54	58	36	Hou.	3B	59	156
Glenn Davis	274	152	31	91	101	64	Hou.	1B	1253	111
Jose Cruz	479	133	10	48	72	55	Hou.	LF	237	5
Kevin Bass	591	184	20	83	79	38	Hou.	RF	303	12
Phil Garner	313	83	9	43	41	30	Hou.	3B	58	141
Terry Puhl	172	42	3	17	14	15	Hou.	OF	85	0

Opening file baseball hitters.txt...