### Traceis<sup>™</sup> Data Exploration Studio Summary table

# Select tables and graphs step

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



Select summary table tab



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

### Optionally view count

The number of observations for each row is optionally displayed.



#### Select number of summary columns

Additional columns that summarize other variables can be displayed.



#### 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.



### Display summary table

Click on the display button to view the summary table.



## MAKING SENSE OF DATA

### Common value

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



#### Number of observations

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



#### 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.



#### Selected row

Clicking on a row will display the selected observation.

				-						
		Player team (*	(6) Count	Mean (Bat times (*86	) Mean (Hits (*86))	Mean (Home runs (*86))	Mean (Runs (*86))	Mean (Runs batted ('86))	Mean (Walks ('86))	Mean (Sal
	Group on: Player team (*86)	Sea	13	423.64	110.91	12.45	47.23	44.01 53.82	46.55	270.92
1 I	Constant and	Tex.	11	386.09	104.36	13.36	54.36	50.27	32.64	311.23
	Show count	Pit.	9	377.89	99.78	10.44	46.44	49.67	40.33	337.17
	Number of columns: 7	Mon.	9	352.44	93.22	9	44.67	42.67	33.22	359.61
tion		Mil.	10	327.3	85.4	8.9	43.1	36.3	31.7	436.25
and the second	Column (4)	LA.	10	334.8	88.8	8.2	41.4	37.5	33.7	476
graphs	Statistic: Mean 🔽	Col.	10	402.7	105.2	13	59.10	59.4	41.00	486.42
	Variable Buns (286)	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
	Column (5)	Hou.	10	410.8	113.2	11.1	53.9	51.7	39.2	519
	Statistic: Mean	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
	Variable: Runs batted ('86)	K.C.	9	394.89	100.33	11.11	45.89	46	34	536.11
4	Column (R)	Oak	8	449.25	118.38	12.88	63.12	56.25	45.88	539.38
	country)	Phi,	10	368.1	95.8	9.3	52	47.9	38.4	590.58
	Statistic. Mean	St.L.	11	400.73	99	4.27	46.73	40.64	43.73	621.97
	Variable: Walks ('86) 💌	Bal.	10	379.3	101.6	11.8	51.3	47	40.2	693.5
		Tor.	9	491.56	138.22	15.11	71.67	66.78	40.89	713.61
	Column (7)	Atl.	8	386.88	96.62	9.88	45.12	41.88	44.62	/16.88
	Statistic: Mean 💙	N.Y. Bon	20	443.45	125.85	14.8	68.35	62.85 70.99	53.5	843.73
	Display									
	Display	٢								>
	Display	K Selected item	> Histogr	ems es (1961) Hits (1961) Hit	meruns (1861) - Diava	(1961) Buns batted (1981)	Walks ('86) Plaue	r team (1861) - Player's score	ion (1861). Put note 119	<ul> <li>Assiste</li> </ul>
	Display	Selected item Hitter's name Alan Ashby	5 Histogr Bat time 315	ems es (186) Hts (186) Ht 81 7	me runs (186)   Runs 24	(36) Runs betted (36) 38	Walks ('86) Playe 39 Hou.	r team (36) Player's positi C	ion (186) Put outs (18 532	<ul> <li>Assists</li> <li>43</li> </ul>
	Display	Selected item Hitter's name Alan Ashty Bill Doran	5 Histogr Bet tim 315 550	ems es (*86) Hts (*86) H 51 7 152 5	me runs (186). Runs 24 92	(96). Runs batted (96) 36 37	Walks ('86). Playe 39 Hou. 81 Hou.	r teem (186) Player's posti C 26	ion (186) Put outs (18 632 262	<ul> <li>Assists</li> <li>43</li> <li>329</li> </ul>
	Display	Selected item Hitter's name Alan Ashby Bill Doran Billy Hatcher	<ul> <li>Histograve</li> <li>Bat time</li> <li>315</li> <li>550</li> <li>419</li> </ul>	ams 63 (186) Hts (186) Ht 61 7 152 6 108 6	me runs (186)   Runs 24 92 55	(96) Runs batted (96) 38 37 36	Walks (186) Playe 39 Hou. 81 Hou. 22 Hou.	rteam (186). Player's positi C 26 CF	on (86) Put outs (8 632 262 226	<ul> <li>Assists 43 329 7</li> </ul>
	Display	Selected tem Hater's new Alan Asthy Bill Doran Billy Hatcher Craig Reynold	<ul> <li>Histograve</li> <li>Bat time</li> <li>315</li> <li>550</li> <li>419</li> <li>313</li> </ul>	erns 6 8(36) Hts (36) Hts (36) 81 7 152 6 108 7 78 6	me runs (185) Runs 24 92 55 32	(96). Runs batted (96) 38 37 36 41	Waka (86) Playe 39 Hou. 81 Hou. 22 Hou. 12 Hou.	rteem (36)Player's positi c 28 CF SS	on (86) Put outs (8 632 262 206 106	<ul> <li>Assists</li> <li>43</li> <li>329</li> <li>7</li> <li>206</li> </ul>
	Display	Selected item Hitter's name Alan Asthy Bill Doran Billy Hatcher Creigi Reynold Denny Waling	<ul> <li>Histogr</li> <li>Bat time</li> <li>315</li> <li>313</li> <li>382</li> <li>373</li> </ul>	ams   es (365) Hits (785) Hit 152 6 108 6 768 6 119 1 119 1	me runs (186)   Runs 24 92 55 55 54 54	(36) Runs batted (36) 36 37 36 41 59	Walks ('86)         Playe           39         Hou.           81         Hou.           12         Hou.           36         Hou.	rteem (196) Player's positi c 28 29 55 55 30	on (86) Put outs (8 632 262 206 106 59 59	<ul> <li>Assists</li> <li>43</li> <li>329</li> <li>7</li> <li>206</li> <li>156</li> </ul>
	Display	Selected tem Hater's name Alan Asthy Bit Doran Bity Hatcher Crigi Reynold Denny Welling Gern Davis	<ul> <li>Histogram</li> <li>Bat time</li> <li>315</li> <li>550</li> <li>419</li> <li>313</li> <li>382</li> <li>574</li> </ul>	ems   81 (7) Hts (85) Ht 152 6 108 6 78 6 119 152 3 152 3 152 3	me runs (186)   Runs 24 92 55 32 54 91 91	(38) Runs battod (38) 38 37 37 41 41 55 101 72	Walks ('86)         Playe           39         Hou.           81         Hou.           22         Hou.           12         Hou.           136         Hou.           54         Hou.           54         Hou.	rteam (38). Player's posti C 28 CF SS 38 18 18	ion ('86) Put outs ('8 632 262 226 106 59 1253 1253	<ul> <li>Assists</li> <li>43</li> <li>329</li> <li>7</li> <li>206</li> <li>156</li> <li>111</li> </ul>
	Display	Selected tem Hitter's name Alan Asthy Bill Doran Bill Doran Bill y Hatcher Craig Reynold Denny Walling Glenn Davis Jose Cruz Kovio Rese	<ul> <li>Histogram</li> <li>Bat time</li> <li>315</li> <li>550</li> <li>419</li> <li>313</li> <li>382</li> <li>574</li> <li>479</li> <li>591</li> </ul>	ents es (196) Hts (196) Ht 152 6 108 6 78 6 119 13 152 3 152 3 1152 1 1153 1 1155 1 11	me runs (185) . Runs 24 92 55 32 54 94 48 89	(96), Runs batted (96) 38 37 36 41 56 101 72 79	Wake (96)         Plays           39         Hou.           81         Hou.           12         Hou.           38         Hou.           36         Hou.           55         Hou.	/team (196). Plivee*s pool C C S S S 38 H H H F F F	on ('86) Put outs ('8 532 252 255 105 59 1253 237 931	<ul> <li>Assists</li> <li>43</li> <li>329</li> <li>7</li> <li>206</li> <li>156</li> <li>111</li> <li>5</li> <li>12</li> </ul>
	Display	Selected item Hitter's neme Alan Asthy Bill Doran Bill y Hatcher Craig Reynold Denny Walling Genn Davis Jose Cruz Kevin Bass Pill Gener	<ul> <li><sup>5</sup> Histogr</li> <li>Bat tim</li> <li>315</li> <li>550</li> <li>419</li> <li>313</li> <li>382</li> <li>574</li> <li>479</li> <li>591</li> <li>313</li> </ul>	enis e (°86) Htte (°86) Htte e (°86) Htte (°86) Htte e (°86) Htte 108 e 108 e 108 e 108 e 108 e 109 e 108 e 109 e 100 e	me runs ('86). Runs 24 55 52 54 91 48 63 43	(186) Runa batted (186) 30 37 35 35 36 36 36 36 36 36 36 37 37 37 37 37 34	Walks ('86)         Playe           39         Hou.           31         Hou.           12         Hou.           136         Hou.           56         Hou.           35         Hou.           36         Hou.           36         Hou.           36         Hou.	Learn (06). Physer's positi CB CF SS SS 18 LF FF 99	on (86). Put outs (8 532 262 265 106 59 1253 237 303 58	<ul> <li>Assists</li> <li>43</li> <li>329</li> <li>7</li> <li>206</li> <li>156</li> <li>111</li> <li>5</li> <li>12</li> <li>141</li> </ul>
	Display	Selected tem Hitter's name Alter's name Bill Doran Bill Vietcher Creigi Reynold Genry Welling Genro Davis Jose Cruz Keivin Bass Phil Genre Terry Puh	<ul> <li>Histogr</li> <li>Bat tim</li> <li>315</li> <li>300</li> <li>419</li> <li>313</li> <li>382</li> <li>574</li> <li>479</li> <li>591</li> <li>313</li> <li>172</li> </ul>	ams 62 (263) Hts (263) Hts 152 6 78 6 78 6 719 13 152 3 1152 3 1152 3 1152 3 1152 3 1152 3 1152 3 1153 10 1154 20 1154 20 1154 20 1154 20 1154 20 1154 20 1154 20 1155	me runs (188)   Runs 24 92 55 54 91 48 63 43 17	(186) Rune batted (186) 36 37 36 41 101 72 79 41 14 14	Walks ('86)         Plays           39         Hou.           81         Hou.           82         Hou.           12         Hou.           36         Hou.           55         Hou.           38         Hou.           30         Hou.           30         Hou.           315         Hou.	(team (38)) Player's positi C 28 CF SS 38 18 LF KF 38 39 OF	on (186) Put oute (18 532 262 265 106 59 1253 237 303 58 65	6) Assist 43 329 7 206 156 111 5 12 141 5 12 141 0