That's interesting. What else can it do?

Break % z-test Respondents		Base	Frequency of visit			
			A. Daily	B. Twice a week	C. Weekly	D. Monthly
	Base	204	18	35	64	87
Gender	Male	53%	72% -b--	43% a---	56% ----	51% ----
	Female	47%	28% -b--	57% a---	44% ----	49% ----

How well can summary analysis
Be described in Triple-S
Without modification

Aim

- Summary analysis data
- Unmodified Triple-S
- Business data
- Not presentation and formatting

- Use in further data analysis
- Use by display formatters

Requirements

Counts Respondents		Base	Age					
			Under 18	18-24	25-34	35-44	45-54	55+
	Base	**204**	**59**	**43**	**38**	**36**	**20**	**8**
Gender	**Male**	**108**	32	27	17	18	8	6
	Female	**96**	27	16	21	18	12	2

Tabular data:

- Frequency
- Crosstab
- Descriptive statistics
- Grid and holecount

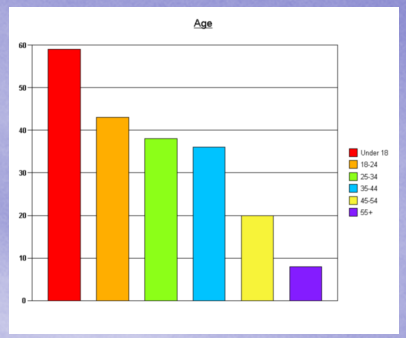
Counts Respondents		
	Base	**204**
Gender	**Male**	108
	Female	96

Counts Respondents	Base	Descriptive Statistics			
		Mean	Standard Deviation	Minimum	Maximum
How do you rate the overall performance of...	**204**	5.588235	1.859543	2	10

Counts Respondents	Base	Very Poor	Poor	Good	Very Good	Don't know
Base	**610**	**93**	**150**	**186**	**133**	**48**
Speed of service	**204**	12	39	97	52	4
Cleanliness	**204**	25	33	60	78	8
Parking	**202**	56	78	29	3	36

Graphical data:

- Same as tabular data



Requirements

Cell contents:

- Counts
- Percentages
- Totals
- Means of other variables
- Other statistical formulae
- Non-numeric results

Break % z-test Respondents		Base	Frequency of visit			
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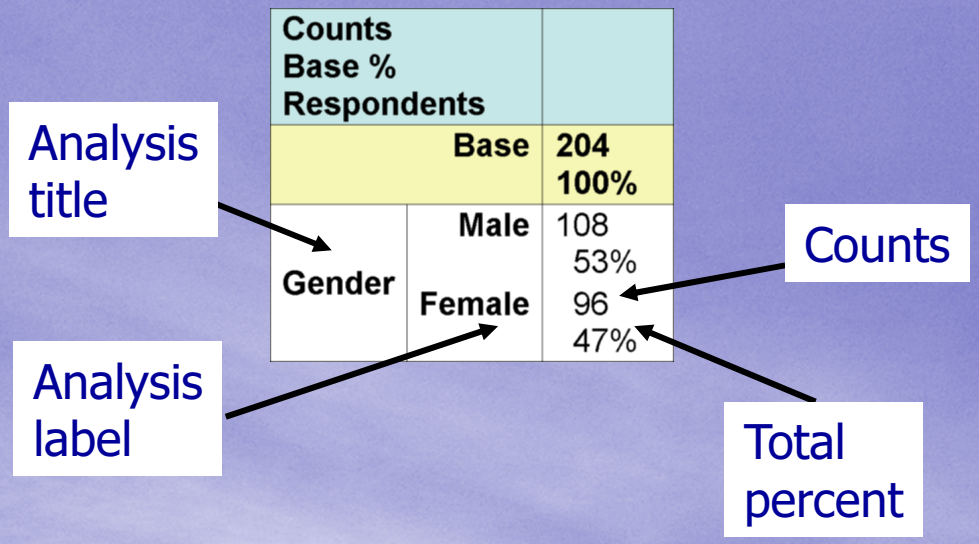
Base		**204**	**18**	**35**	**64**	**87**
Gender	**Male**	**53%**	72% -b--	43% a---	56% ----	51% ----
	Female	**47%**	28% -b--	57% a---	44% ----	49% ----

Counts Base % Respondents		
Base		**204 100%**
Gender	**Male**	108 53%
	Female	96 47%

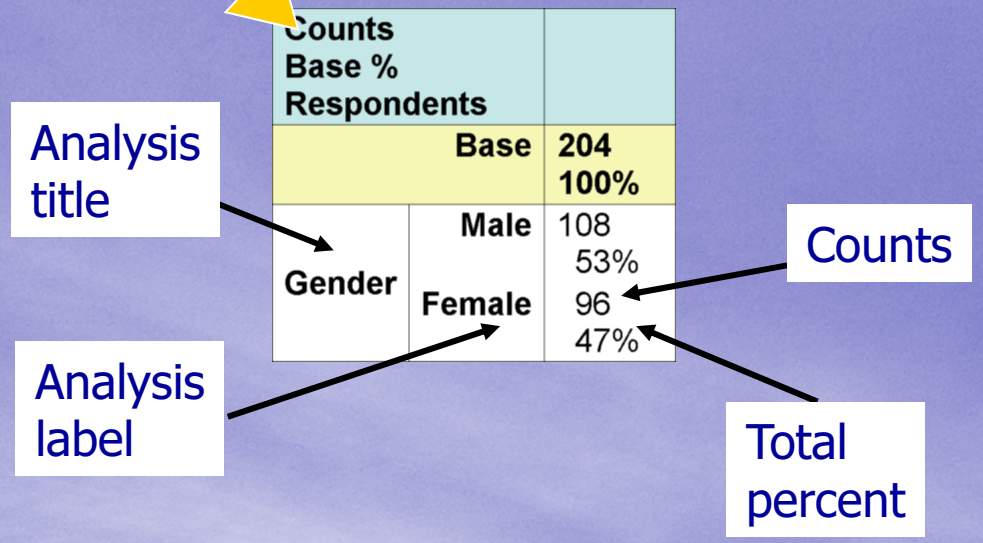
Solution – Simple frequency

- A new Triple-S survey
- Once case per cell
- Variables for each level of each axis
- Variables for each cell value
- Text mode for original context



Solution – Simple frequency

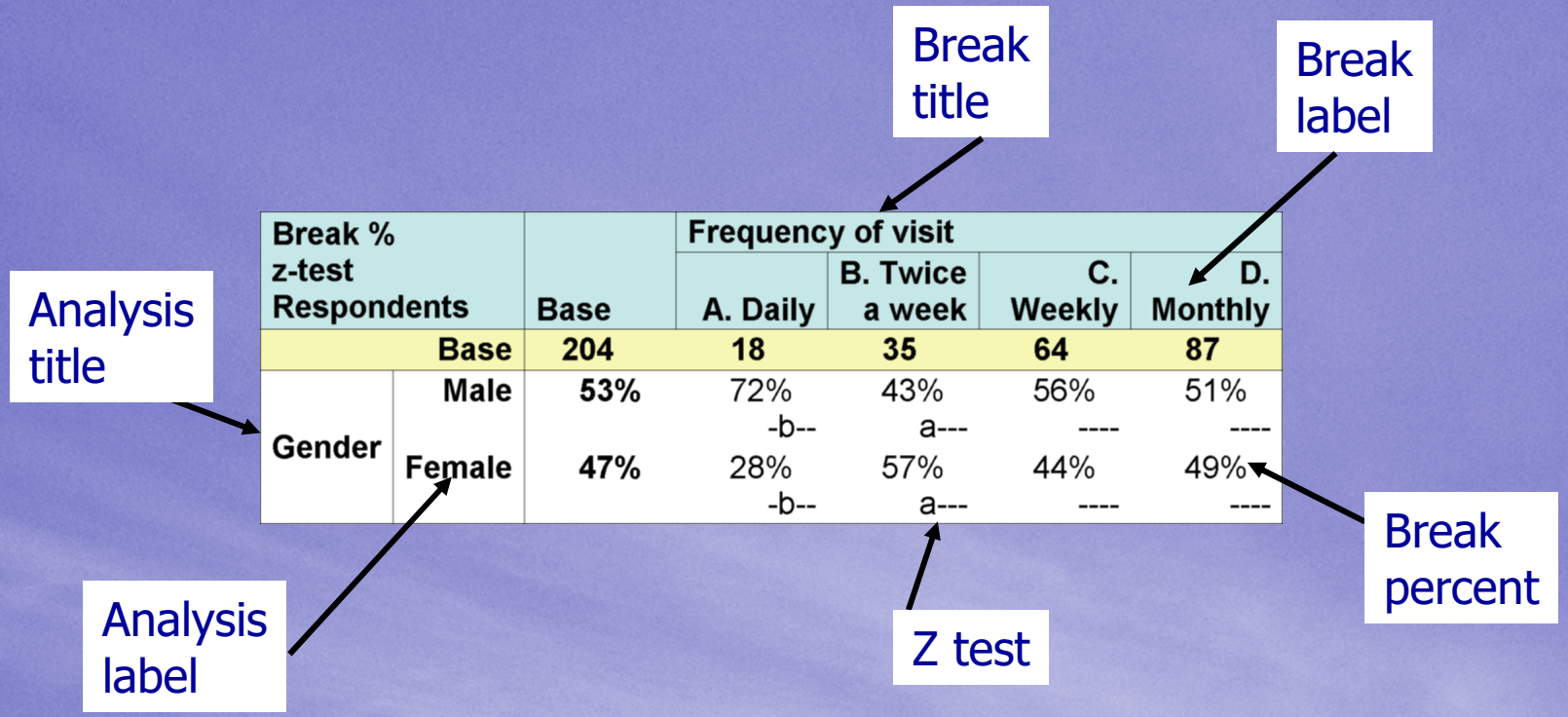
Case	Counts	TotalPercent	AnalysisLabels	AnalysisTitles
1	204	100.0	Valid	Totals
2	108	52.9	Male	Gender
3	96	47.0	Female	Gender



Solution – Crosstabs and others

- Extend frequency table definition
- Convert 2D table data to 1D case data
- Still one case per cell
- One variable per cell value
- Percentages and non-numeric values
- Descriptive statistics
- Grids and holecounts

Solution – Crosstabs and others



Break % z-test Respondents		Base	Frequency of visit			
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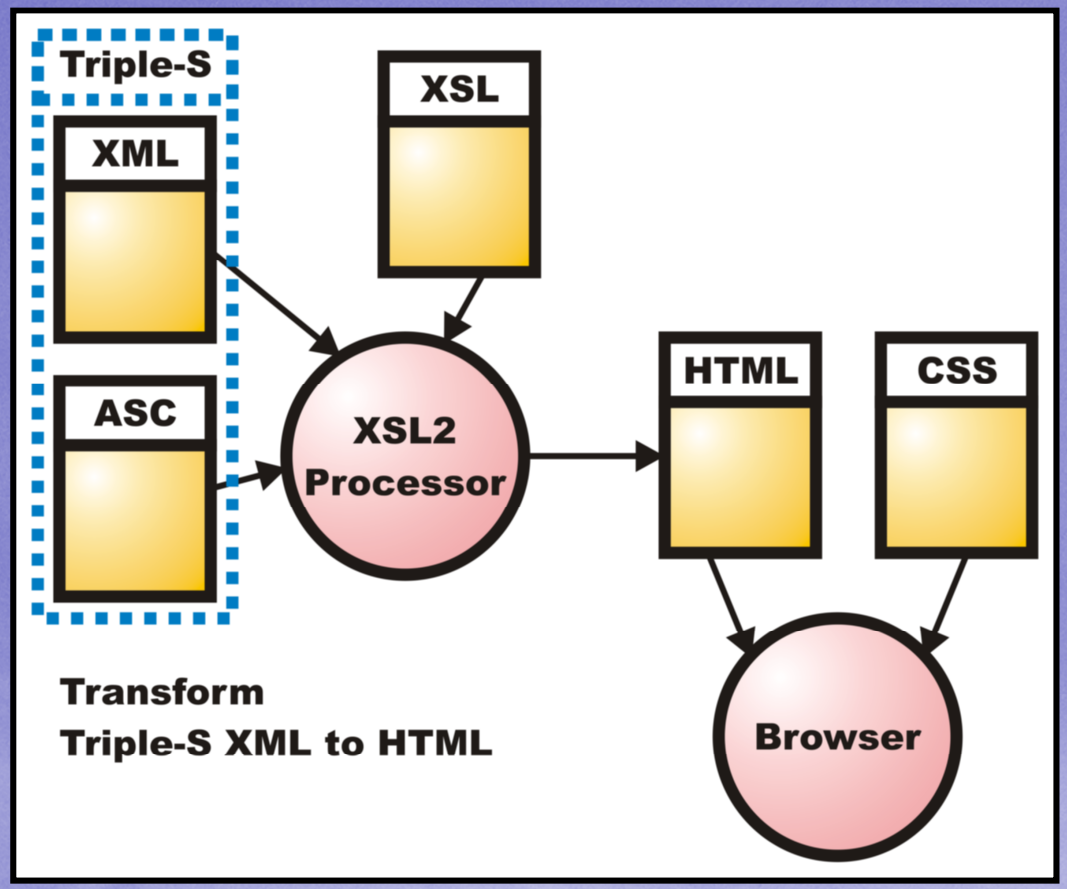
	Base	204	18	35	64	87
Gender	Male	53%	72% -b--	43% a---	56% ----	51% ----
	Female	47%	28% -b--	57% a---	44% ----	49% ----

Acceptance criteria

Test with Xslt



Acceptance criteria

Servlets

- Xslt transformer
- Triple-S file provider
- List of available surveys

Demonstration

Areas for improvement

- Single file
- Meaning and level of labels
- Titles, notes and annotations
- Drill-down

Any Questions?