2 x 2 Example

- A 2 x 2 repeated measures design with the factors Sentence Type (Positive vs. Negative) and Context (Positive vs. Negative). DV is reaction time (RT).

- The data file is called DV and is in *long* format (i.e., each row is one observation):

	Subject	Item	RT	Sentence	Context
1	1	3	1270	Positive	Negative
2	1	7	739	Positive	Negative
3	1	11	982	Positive	Negative
4	1	15	1291	Positive	Negative
5	1	19	1734	Positive	Negative
6	1	23	1757	Positive	Negative
7	1	27	1052	Positive	Negative
8	2	4	1706	Positive	Negative
9	2	8	533	Positive	Negative
10	2	12	1009	Positive	Negative
11	2	16	939	Positive	Negative
12	2	20	1848	Positive	Negative
13	2	24	1435	Positive	Negative

Showing 1 to 14 of 1,680 entries

Generating Descriptives

```
> describeBy(DV$RT, group = list(DV$Sentence, DV$Context))

 Descriptive statistics by group
: Positive
: Positive
   vars   n    mean     sd median trimmed   mad min  max range skew kurtosis    se
X1    1 420 1579.18 840.61   1427 1467.34 660.5 246 5703  5457 1.92     5.78 41.02
------------------------------------------------------------------------------------
: Negative
: Positive
   vars   n    mean     sd median trimmed    mad min  max range skew kurtosis    se
X1    1 409 1632.85 876.75   1379 1500.97 591.56 325 6223  5898 1.83     4.42 43.35
------------------------------------------------------------------------------------
: Positive
: Negative
   vars   n    mean     sd median trimmed    mad min  max range skew kurtosis    se
X1    1 419 1595.13 886.86   1444 1479.01 748.71 329 7000  6671 2.16     7.97 43.33
------------------------------------------------------------------------------------
: Negative
: Negative
   vars   n    mean     sd median trimmed    mad min  max range skew kurtosis    se
X1    1 420 1473.96 728.61 1308.5 1384.71 578.21 204 6218  6014 1.65     5.06 35.55
```