

## TECHNOLOGY CORNER for Section 1.3, Page 63

### 4. Computing Numerical Summaries with HP Prime

Let's find numerical summaries for the travel times of North Carolina and New York workers from the previous Technology Corner (page 59). If you haven't done so already, enter the North Carolina data in list D1 and the New York data in list D2 of the Statistics 1Var app.

- Find the summary statistics for the North Carolina and New York travel times. You can view the five-number summaries for both data sets in a single table.

- Press **Num** to enter Numeric view
- Enter the data from the North Carolina and New York travel times in D1 and D2, respectively (if you haven't already). The data can be found on Page 52.

Statistics 1Var Numeric View				
	D1	D2	D3	D4
1	5	10		
2	10	30		
3	10	5		
4	10	25		
5	10	40		
6	12	20		
7	15	10		
8	20	15		
9	20	30		
10	25	20		
5				

- Tap **Stats** to view the summary statistics page for both data sets

Statistics 1Var Numeric View		
	H1	H2
n	15	20
Min	5	5
Q1	10	15
Med	20	22.5
Q3	30	42.5
Max	60	85
$\Sigma X$	337	625
$\Sigma X^2$	10,819	28,625
$\bar{x}$	22.4666666667	31.25
sX	15.2309209302	21.8773494979
Number of items		

The five-number summaries appear near the top of the list. H1 has summary statistics for the North Carolina data and H2 has the New York summary. Tap and drag to scroll the rest of the list, or pinch the screen to display a smaller font and to see the entirety of both summaries.

Statistics 1Var Numeric View		
	H1	H2
n	15	20
Min	5	5
Q1	10	15
Med	20	22.5
Q3	30	42.5
Max	60	85
$\Sigma X$	337	625
$\Sigma X^2$	10,819	28,625
$\bar{x}$	22.4666666667	31.25
sX	15.2309209302	21.8773494979
$\sigma X$	14.7144675594	21.3234026365
serrX	3.932606874	4.89192406448
ssX	3.247.73333333	9.093.75
T5		

- Tap **OK** to return to Numeric view when you are done.