



TECHNOLOGY CORNER

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 **M** to enter the 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.

	D1	D2	D3	D4
1	5			
2	10			
3	10			
4	10			
5	10			
6	12			
7	15			
8	20			
9	20			
10	25			
11				
12				
13				
14				
15				

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

X	H1	H2	
n	15	20	
Min	5	5	
Q1	10	15	
Med	20	22.5	
Q3	30	42.5	
Max	60	85	
ΣX	337	625	
ΣX^2	10819	28625	
\bar{x}	2.2466667E1	31.25	
sX	1.523092E1	2.187735E1	
15			

- 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 tap **Size** and choose a smaller font to see the entirety of both summaries.

X	H1	H2	
n	15	20	
Min	5	5	
Q1	10	15	
Med	20	22.5	
Q3	30	42.5	
Max	60	85	
ΣX	337	625	
ΣX^2	10819	28625	
\bar{x}	2.24666667E1	31.25	
sX	1.52309209E1	2.18773495E1	
σX	1.47144676E1	2.13234026E1	
serrX	3.932606874	4.8919240645	
15			

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