Mehl (2007) reported in the journal Science the results of an extensive study of 396 men and women, comparing the number of words uttered per day by each. Volunteer participants wore inconspicuous recording devices that recorded their daily word usage. Is there any validity to the notion that women talk more than men do? The following fictional data represent the number of words uttered by six women and six men.   
  
Table: Number of Words Uttered

|  |  |
| --- | --- |
| Women | Men |
| 17,214 | 16,322 |
| 15,325 | 14,636 |
| 14,022 | 17,045 |
| 18,643 | 18,873 |
| 15,800 | 13,071 |

Reference: Table 11

(Table: Number of Words Uttered)

1. Make a graph of the results.
   1. What are the variables?
   2. What types of variables are they?
   3. What type of graph do you have to make?
2. Create the dataset in Excel, where each person gets their own row of data.
   1. You can use words as labels, which R will automatically import as factors.
3. Include the graph and R code in this word document.
4. Is there any validity to the notion that women talk more than men do?
   1. Looking at the graph – would this graph support this claim?