

## Social Studies 201

### Stem and Leaf Display

Revised September 18, 2003

The following array of numbers comes from a sample of 60 Saskatchewan households. This sample is a random selection of 60 households from the Saskatchewan households surveyed in the 1994 Survey of Consumer Finances. This Survey is conducted in May of each year by Statistics Canada. It is a national survey and uses the same sampling methods and procedures that are used in Statistics Canada's Labour Force Survey.

The numbers shown below represent total family income in dollars, from all income sources, for each of the 60 households in this sample. These incomes are 1993 incomes and are in 1993 dollars. The numbers are first presented as an array of data and then they are organized into a stem and leaf display, converting the incomes into more manageable units of thousands of dollars. In Table 1 these data are grouped into a frequency distribution table. Then they are graphed in a histogram in Figure 1.

63098	51998	76363	46721	43525	8635
43535	57168	57000	27784	60225	87462
25946	13269	10775	8381	23808	52946
75414	7947	14122	41983	22660	44807
32449	39135	17656	23414	3563	11492
17859	28242	11394	66383	28213	20304
36039	29848	18410	39858	20570	12475
75000	71538	40053	23416	27032	34738
12294	12216	38206	46500	14828	45095
64504	25304	52338	110444	78109	41488

Table 1: Unordered stem and leaf display

[illegible]

Table 2: Ordered stem and leaf display

[illegible]

Table 3: Distribution of income, sixty Saskatchewan households, 1994

Income in Thousands of Dollars ( $X$ )	Real Class Limits	f
0-9	-0.5-9.5	4
10-19	9.5-19.5	12
20-29	19.5-29.5	12
30-39	29.5-39.5	6
40-49	39.5-49.5	10
50-59	49.5-59.5	5
60-69	59.5-69.5	4
70-79	69.5-79.5	5
80-89	79.5-89.5	1
90-99	89.5-99.5	0
100-109	99.5-109.5	0
110-119	109.5-119.5	1
Total		$n = 60$

Figure 1: Histogram of income distribution for sixty Saskatchewan households, 1994

