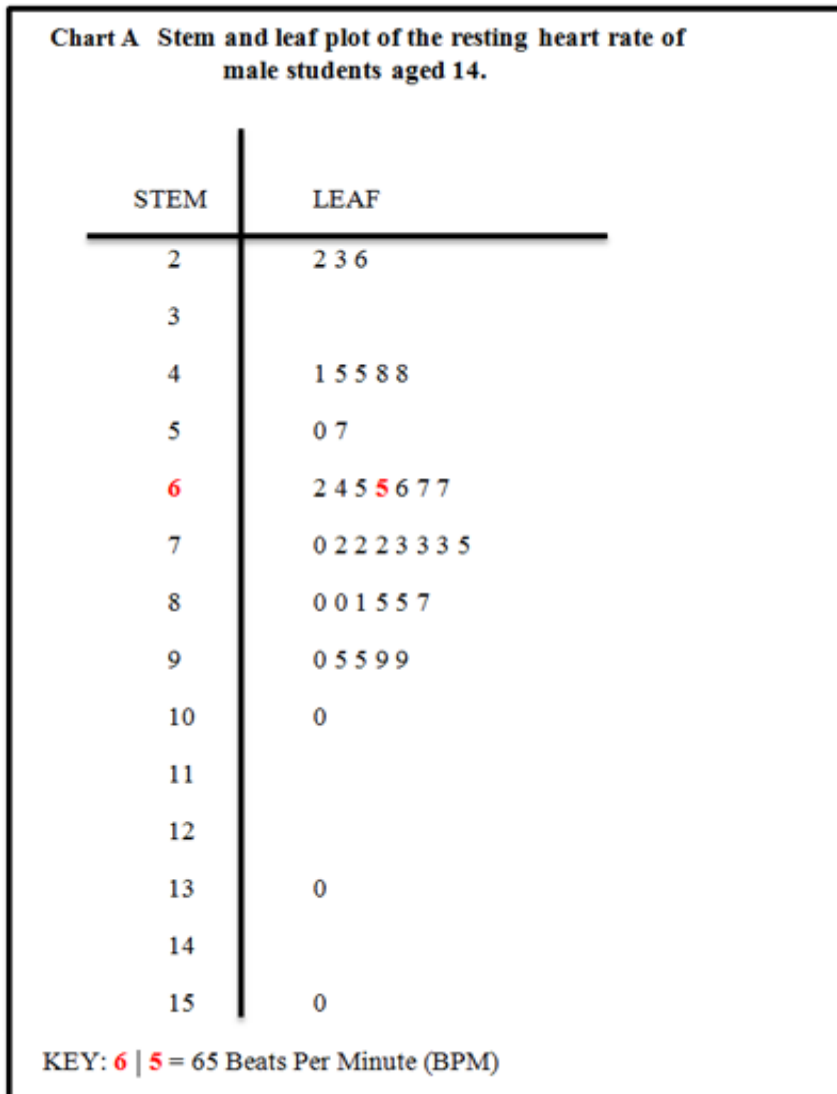# 2013/2014 CensusAtSchool Results
Further analysis ...
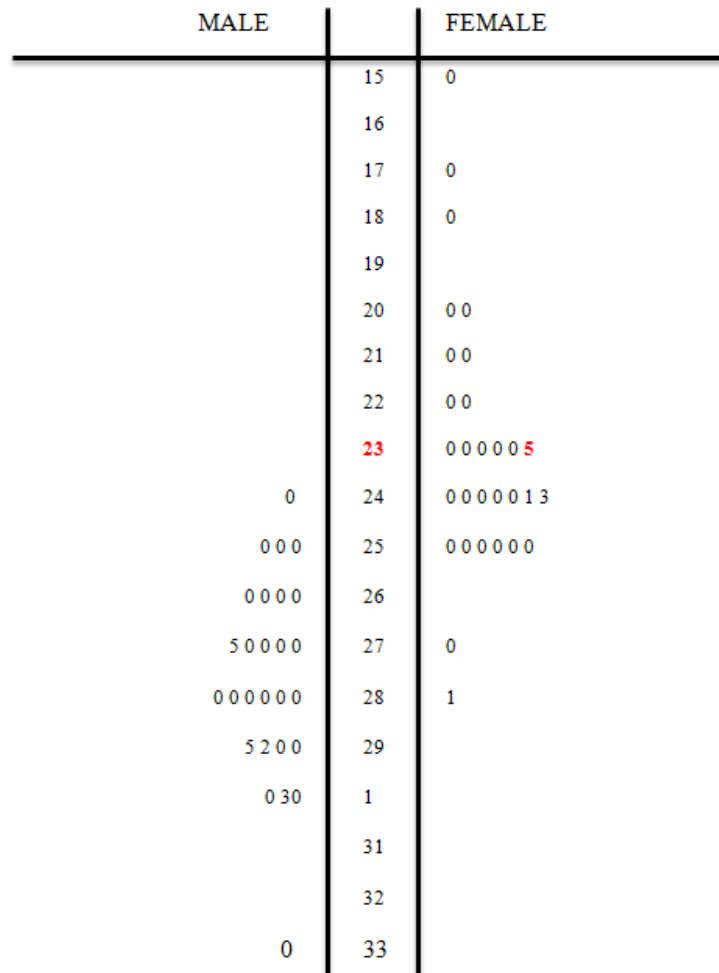
Stem and leaf plot of the resting heart rate of male students aged 14

Chart A   Stem and leaf plot of the resting heart rate of
male students aged 14.

STEM	LEAF
2	2 3 6
3	
4	1 5 5 8 8
5	0 7
6	2 4 5 5 6 7 7
7	0 2 2 2 3 3 3 5
8	0 0 1 5 5 7
9	0 5 5 9 9
10	0
11	
12	
13	0
14	
15	0

KEY: 6 | 5 = 65 Beats Per Minute (BPM)

Stem and leaf plot of the of the foot length of 18-year-old students, classified by gender

Chart B — **Stem and leaf plot of the foot length of 18 year old students, classified by gender of student**

| MALE		FEMALE
	15	0
	16	
	17	0
	18	0
	19	
	20	0 0
	21	0 0
	22	0 0
	23	0 0 0 0 0 5
0	24	0 0 0 0 0 1 3
0 0 0	25	0 0 0 0 0 0
0 0 0 0	26	
5 0 0 0 0	27	0
0 0 0 0 0 0	28	1
5 2 0 0	29	
0 30	1	
	31	
	32	
0	33	

KEY: 23 | 5 = 23.5 cm

Distribution of height by Sex

The chart below shows the distribution of student height according to sex.

Female

Percent

Summary Statistics	
Mean	162.3169
Median	163
Mode	160
Standard Deviation	13

Male

Percent

Summary Statistics	
Mean	169.6596
Median	171
Mode	180
Standard Deviation	15
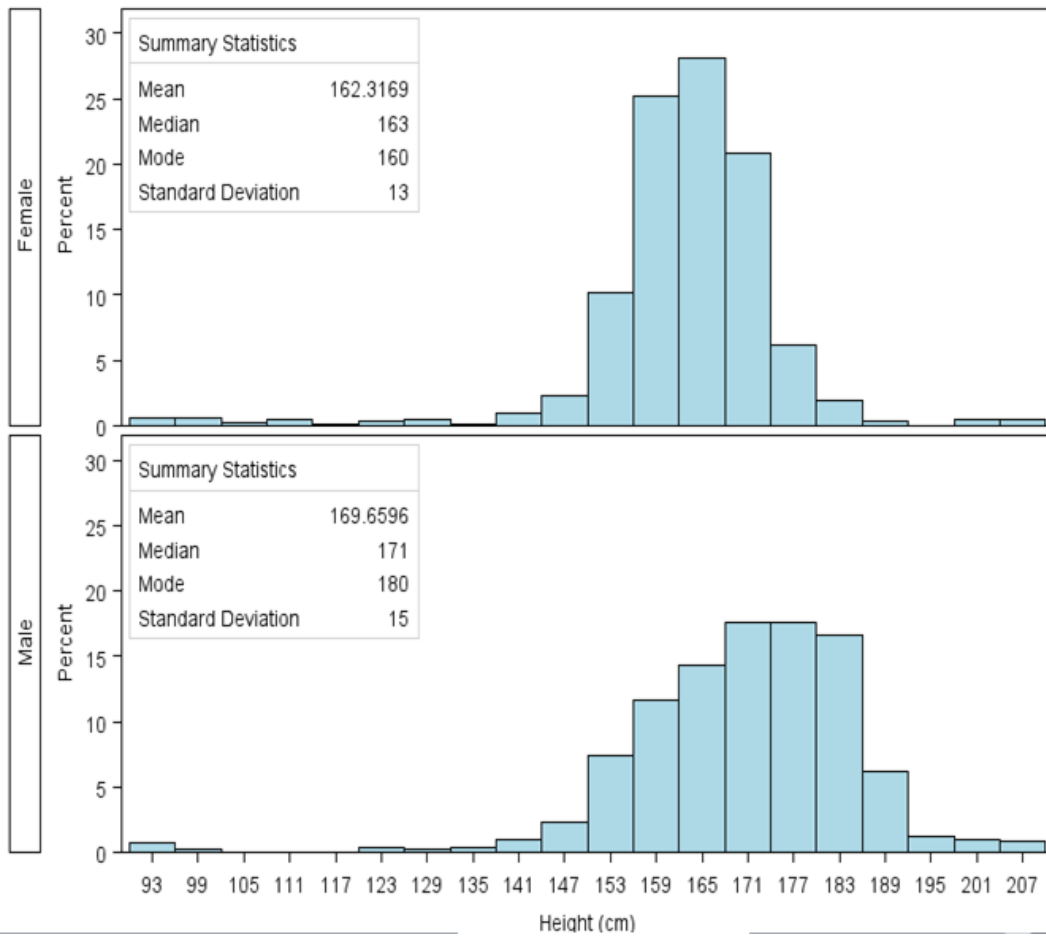
Height (cm)

**Scatter plot of Student Height vs Arm Span**
Students were asked in the survey to provide a measurement for their height and arm span.
The results are presented using a scatter plot in the chart below. The survey indicates a strong
positive correlation association between height and arm span, where taller students tended to
have a longer arm span.

Scatter plot of Student Height vs Arm Span
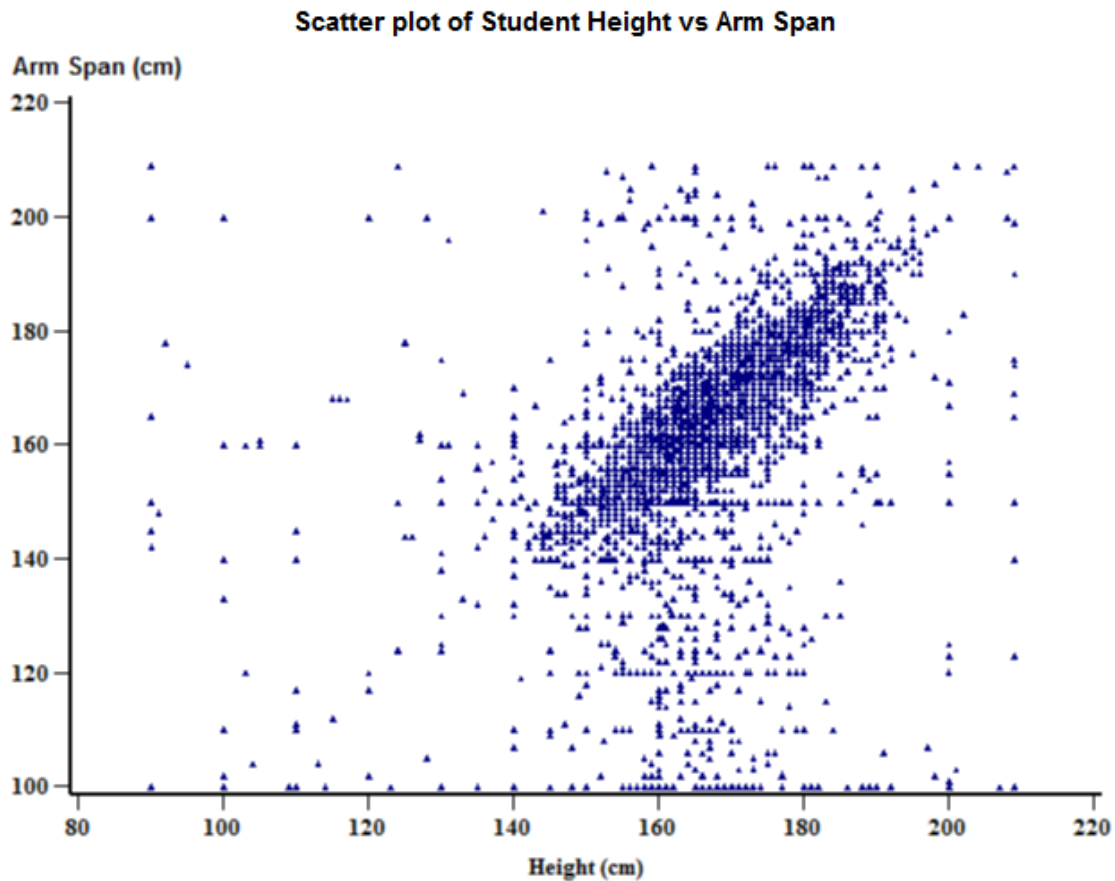
Box Plot of Age by Student Height
The charts below shows the distribution of the male and female height of students classified by their age. The inter quartile range (highlighted in yellow) of the two charts indicate the Male and Female students had the greatest range of height at age 12 and 13.

Box Plot of Respondents (age 12 to 18) age classified by height
Females
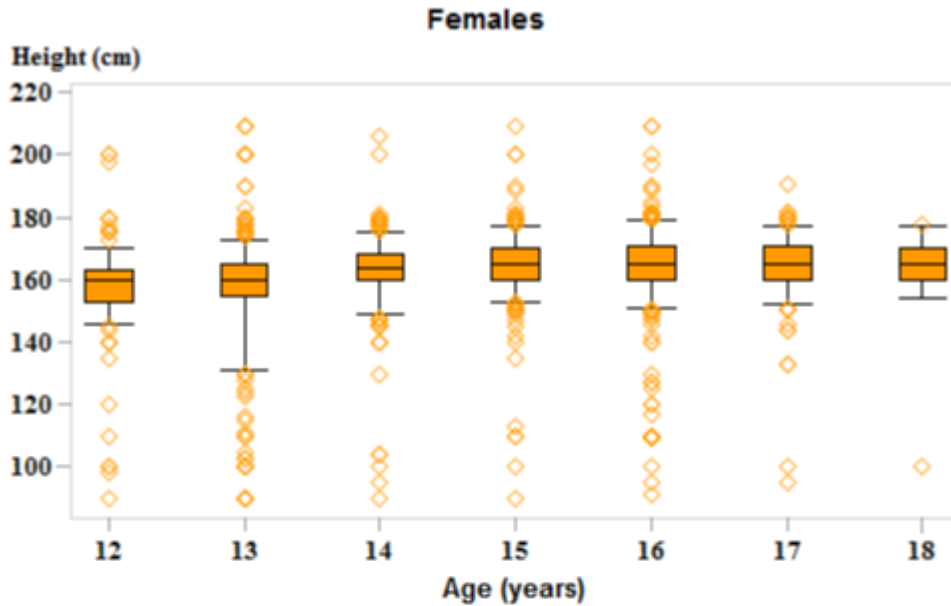
Box Plot of Respondents (age 12 to 18) age classified by height
Male
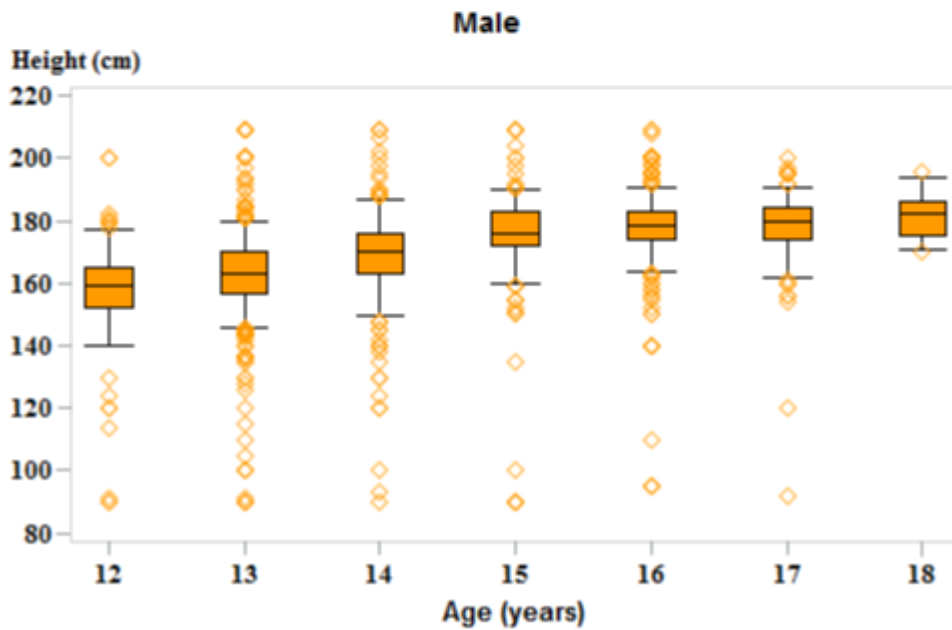
Footnote: Whisker length percentile: 5th percentile low, 95th high