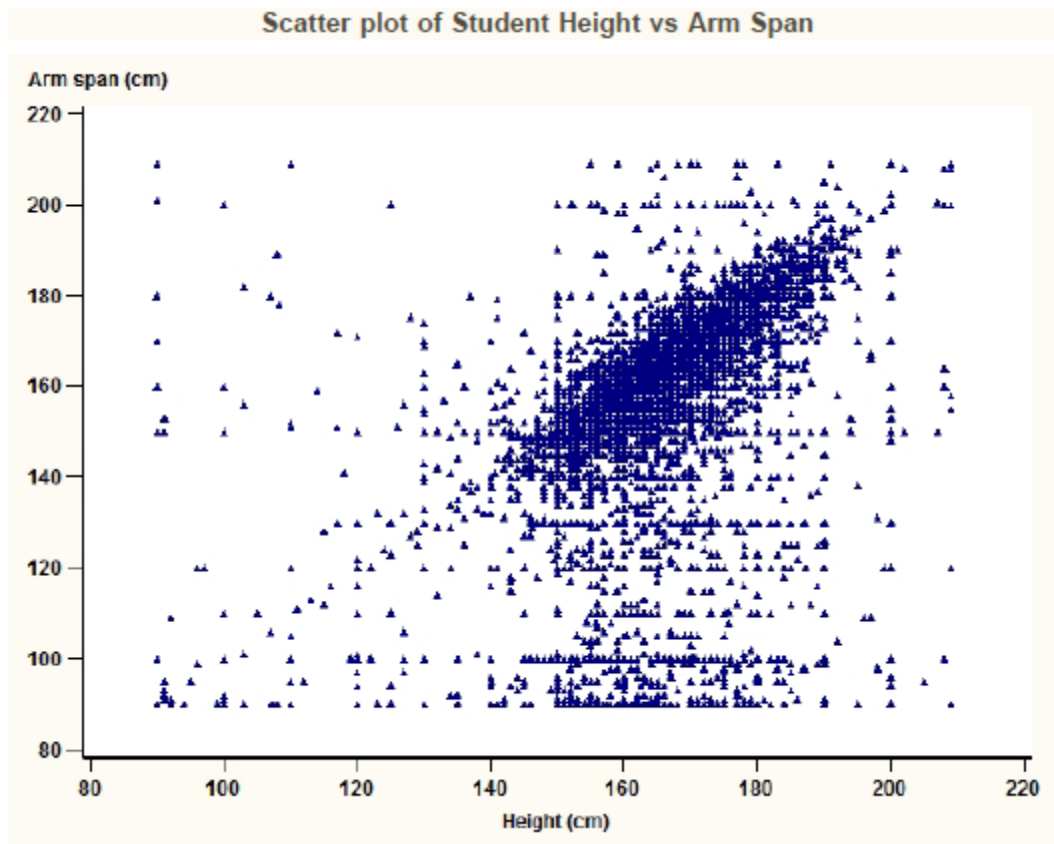


2012/2013 CensusAtSchool CSO Findings

Further analysis ...

Scatter plot of Student Height vs Arm Span

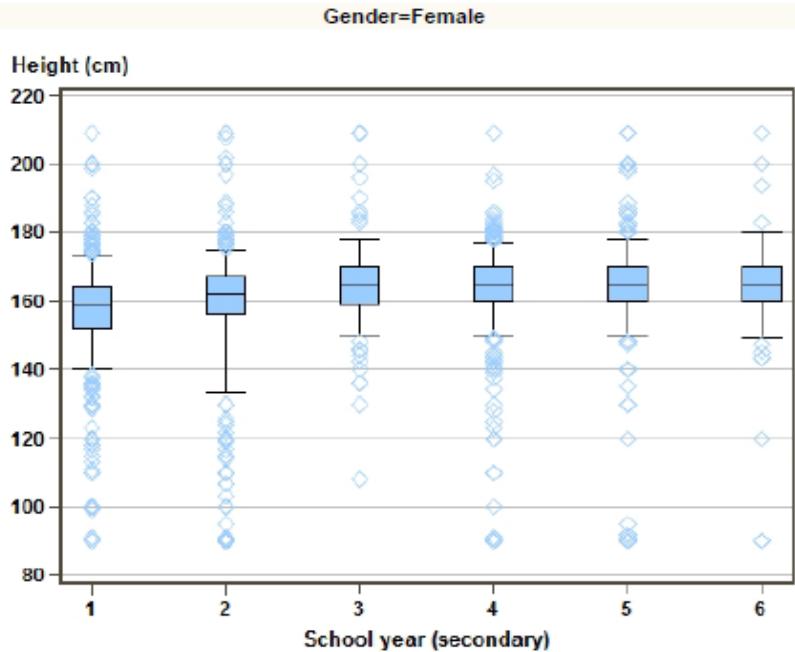
Students were asked in the survey to provide a measurement for their height and arm span. The results above are presented using a scatter plot in Chart A. The survey indicates a strong positive correlation association between height and arm span, where taller students tended to have a longer arm span. The Pearson correlation coefficient is 0.46.



Box Plot of School Year by Student Height

Charts B shows the distribution of the male and female height of students classified by their school year. The inter quartile range (highlighted in blue) of the two charts indicate the Male and Female students had the greatest range of height in years 1 and 2 with the male students showing a greater dispersion than female students.

Chart B Box Plot of School Year by Student height



Stem and leaf plot of the bag weight of 3rd year students that walk to school

Chart C shows that 3rd year students who walk to school are most likely to have a school bag weighing between 5 and 8 kilograms. The modal school bag weight for this sub-sample of the survey was 5.0 kilograms.

Chart C **Stem and leaf plot of the bag weight of 3rd year students that walk to school**

STEM	LEAF
1	0 0 5
2	0 5
3	0 0 0 1 7
4	0 0 0 0 1 3 5
5	0 0 0 0 0 0 0 0 2 4 5 5
6	0 0 0 0 5
7	0 0 0 0 0 0 0 0 2 2 5 7 7
8	0 0 0 0 5 5
9	0 0 0 0 4 5 9

KEY: 3 | 7 = 3.7 kg

Stem and leaf plot of the bag weight of 6th Year Student’s that walk to school classified by gender of student

Chart D shows the distribution of school bag weight for 6th year students who stated that they walk to school. The chart indicates that for this sub-sample of the overall survey male students carry heavier school bags than female students.

