1. Complete the following computations.

- 2. Convert 25 kilometres travelled in 24 hours to speed in metre/second.
- 3. Theodosius
  Dobzhansky (1948)
  reported H, the genetic
  heterozygosity in the fruit
  fly *Drosophila*pseudoobscura.

Alt	Н	Н1	Н2	Н3	H4
850	0.70				
3000	0.69				
4600	0.71				
6200	0.70				
8000	0.70				
8600	0.62				
10000	0.68				

Compute H normalized to its maximum value (H1), and to its minimum value (H2). Then compute H3 the deviation normalized to the mean. Compute H4 the deviation normalized to the standard deviation..

$$std(H) = 0.0304725$$

$$H1 = \frac{H}{\max(H)}$$

$$H2 = \frac{H}{\min(H)}$$

$$H3 = \frac{H - mean(H)}{mean(H)}$$

$$H4 = \frac{H - mean(H)}{std(H)}$$