

Hebrew Reading Ease Abstract

The Hebrew Reading Ease scale is an effort to determine statistically the relative ease with which a student may read a passage of biblical Hebrew. At this stage, the HRE calculates three different types of averages. For each of the following equations w stands for the frequency value of each word (e.g. אֱלֹהִים occurs 5029 times) and n stands for the number of words in any given passage. Each mean is defined by the following formulae:

$$\text{Arithmetic Mean} = \frac{(w_1 + w_2 + w_3)}{n}$$

$$\text{Harmonic Mean} = \frac{n}{\left(\frac{1}{w_1} + \frac{1}{w_2} + \frac{1}{w_3}\right)}$$

$$\text{Geometric Mean} = \sqrt[n]{(w_1)(w_2)(w_3)}$$