

Assignment

The goal of this assignment is to evaluate the progress of the child with your instruction. For this, you need to measure their skills and knowledge in the beginning. Then, you need to evaluate the same skills and knowledge the child gained with your instruction. Finally, you need to analyze your results.

Remember: this assignment is to measure children's progress and not yours, thus do not exaggerate results.

Instructions:

1. Figure-out the initial vocabulary skills of **each child** you work with. To measure vocabulary skills, evaluate the following three measures:
 - i) Estimate **the total number of words** the child knows.
 - ii) Estimate the **total number of verbs** the child knows.
 - iii) Estimate what is **the maximum number of words the child uses to form sentences**.

The estimates of these measures could be provided by the parents of the child or child's initial evaluator.

2. Evaluate the progress for **each child** you work with:
 - i) Document **the total number of words** the child learned with your instruction.
 - ii) Document **the total number verbs** the child learned with your instruction.
 - iii) Also, document **the maximum number of words the child used to form a sentence**.

3. Just knowing the number of words a child learned with an instruction is not a perfect measure of the progress. A child who initially knew 50 words and learned 10 words might be progressing faster than a child who initially knew 100 words and learned 10 words. Thus, we might also want to measure the progress in percentage terms:
 - i) For each child, calculate the percentage progress of the child's total vocabulary as a ratio of

$$\text{Percentage progress} = \frac{\text{The total number of words the child learned with your instruction}}{\text{The total number of words the child knew in the beginning}} \times 100$$

4. Keep the roster of the children for your records. Example:

Name	Words- initially	Words- now	Percentage progress in words	Verbs- initially	Verbs- Now	# of words used in sentences- initially	# of words used in sentences-now
Child 1	50	60	$(10/50)*100=20\%$	5	8	2	3
Child 2							
Child 3							

5. Once you have all these measures for each child, calculate mean progress of all children as:

$$i) \text{ Mean number of words the children learned} = \frac{\text{the sum of the number of words each child learned}}{\text{The number of children you worked with}}$$

$$ii) \text{ Mean percentage progress the children made} = \frac{\text{the sum of the percentage progresses of each child}}{\text{The number of children you worked with}}$$

6.

- i) Calculate the number of children who made a progress in forming sentences (A child would make a progress if she/he started using more words in sentences).
- ii) Calculate the percentage of children who made a progress in forming sentences as

$$\text{Progress rate in forming sentences} = \frac{\text{The number of children who made a progress in forming sentences}}{\text{The number of children you worked with}} \times 100$$