

Homework Assignment 2

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1 Question 1

In datasets 4 – 5 – 6, the modified sentences are built on the model of datasets 1 – 2 – 3. However, they are not natural sentences. Indeed, sentence 4.d) would more naturally be said as *Who did the person Mary met like ?*.

Yet, it would be natural to extract from datasets 1 to 3 this rule for building questions, and those datasets are made of frequently said sentences describing common events/questions, while the standard interrogative sentences built from datasets 4 to 6 are far less common (in French and English) as they would use passive modality.

Thus, this shows the difficulty for a child to extrapolate the rules for building questions (and thus learning language) from their environment.

2 Question 2

From sentences *a* and *b* we get that morphemes *kin* means *I* and *ku* means *he*, since those morphemes are the only that differ. Similarly, we get from sentences *d* and *e* that *ka* means *you*.

Adding to that sentences *c* and *g*, we find that those morphemes also indicate the present tense, and that *shu* means *he* in a past tense. We extrapolate that *shin* and *sha* thus mean *I* and *you* in a past tense. Thus *k* indicates the present tense and *sh* indicates past tense.

From sentences *c*, *d*, *e*, we get that *wetamáxlekém* means *learning the (art of) weaving* and so that *kataxín* means *continually*.

Given sentences *f* and *g*, we can get that *wetamáx* means *to learn* and *lekém* means *(the art of) weaving*.

From sentences *a* and *b* we identify the morpheme *sikíxlelíbr* to mean *to study the book*, and, adding sentence *h* we get *wír* means *yesterday*.

Based on our knowledge of other languages, we might want to hypothesise that in *sikíxlelíbr*, *sikíx* means *study*, *le* means *the* and *líbr* means *book*. In fact, based on the syntactic order of then sentences we have fully deciphered, we may extrapolate that this language follows a *subject - verb - object* order of words, and so the hypothesis before seems reasonable, but still needs hard evidence. To sum up, we obtain this table 1

Morpheme	Meaning
<i>k</i>	Present Tense
<i>sh</i>	Past Tense
<i>in</i>	<i>I</i>
<i>a</i>	<i>you</i>
<i>u</i>	<i>he</i>
<i>kataxín</i>	<i>continually</i>
<i>wetamáx</i>	<i>to learn</i>
<i>wír</i>	<i>yesterday</i>
<i>lekém</i>	<i>(the art of) weaving</i>
<i>sikíx</i>	<i>study</i>
<i>le</i>	<i>the</i>
<i>líbr</i>	<i>book</i>

TABLE 1 – Table of Morphemes in the Dataset