

II. EXERCISES

- (1) What are three-letter codes for the target child and his mother in the Aki corpus?
Aki=CHI, Mother=AM0
- (2) List all the inflectional forms of *taberu* produced by Aki in the order of appearance. Do the same with *nomu* and *kaku*.
- kwal/combo +t*chi +stabe* *.cha
tabete, tabechau, tabeteru, tabeta, tabenai, tabechatta, tabeyoo,
tabetai, tabeyoo, taberenai, tabeteta
- kwal/combo +t*chi +snom* *.cha
nomitai, nomu
- kwal/combo +t*chi +skak* *.cha
kakoo, kaketa, *kakita (kaita?), kaitai (= kakitai), kakeru, kakechatta,
kakanai, kakoo, kaku, *kakeru, kakanakuate,
- (3) When does Aki utter his first *wh*-word? What is it? What if imitations are excluded? (Hint: You can use +s multiple times in a kwal command.)
- kwal +snan* +sdoko +sdare +sdore +sdoo* +sdono +sitsu +t*chi *.cha
Including imitations: doko (2;00.19)
Not including imitations: nani (2;03.04)
- (4) Examine all the utterances by Aki containing *chitchai* immediately followed by *no*. Do you see any error(s)?
- combo +t*chi +schitchai^no *.cha
*CHI: chitchai (1)no &karaSu [: karasu] wa ? (2;06.29)
- (5) Examine all the utterances containing *dore* and *ii* in this order, optionally with other words intervening. Do you see any ungrammatical utterance(s)?
- combo +t*chi +sdore^^^ii *.cha
*CHI: kore [/] kore dore de (1)ii no@fp ? (2;09.24)
CHI: dore [] supuun ga (1)ii desu ka ? (2;09.29)
CHI: dore ga supuun [] (1)ii desu ka ? (2;09.29)
- (6) What are the ten most frequent words in Aki's speech over all the files? How about his mother's speech? (Hint: This will produce a very long list, but you need only the top ten. In order to stop the analysis before it is complete, press [Ctrl]+[.]).

freq +t*chi +o +u *.cha	freq +t*amo +o +u *.cha
2333 kore	2230 ne
1925 un	2091 un
1394 a	1685 yo
1301 koko	1430 kore
1158 ne	1372 no@fp
1052 wa	1244 no
1018 n	1225 ni
735 nom	1098 wa
602 yo	1058 ga
575 kotchi	1020 tte

(7) Compare the frequency of the following words in Aki’s speech: *ga*, *o*, and *wa*. Do you need to produce the list of all the words in the transcripts?

GA: freq +sga +t*chi +u *.cha => 342 times

O: freq +so +t*chi +u *.cha => 43 times

WA: freq +swa +t*chi +u *.cha => 1052 times

(8) When does Aki first answer (in an intelligible way) his mother’s question containing *nani*?

kwāl +t*amo +snani +w2 *.cha

1;06.10

*AM0: kore nani ,, kore ?

*CHI: &bo: [: booru] .

(9) [Advanced] Create MLU graphs for Aki and his mother using CLAN and Excel. (Hint: Use the +d switch to remove the redundant text, such as “Number of utterances” and “Number of morphemes,” from the output.)

mlu +t*chi +d *.cha

mlu +t*amo +d *.cha

