# Switching baseline representations in FLEx interlinear text (for Text Charting)

Larry Hayashi February 2018

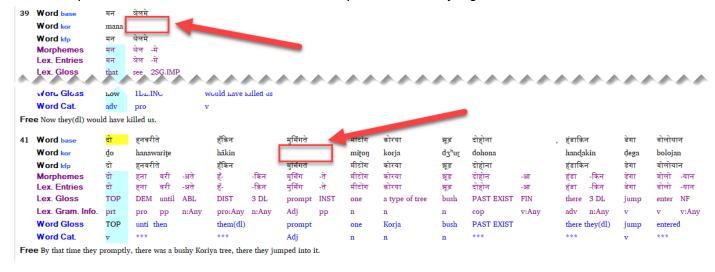
Keywords: baseline | multiple writing-systems | text charting | discourse analysis

At CanIL, we had a student who had a FLEx project with text that had a Devanagari baseline. He and a classmate wanted to use these texts in a discourse analysis class. The classmate could not read Devanagari, nor could the instructor. Although the student with the source texts had already added a roman representation for all the words and these could be displayed in the Analyze or Glossing tabs, the roman representation would not show up in the Text Charting tool. Only the baseline representation can shown up in the Text Charting tool. The text had already been interlinearized and Lex.Entries in Devanagari representation existed.

#### Before exporting the text

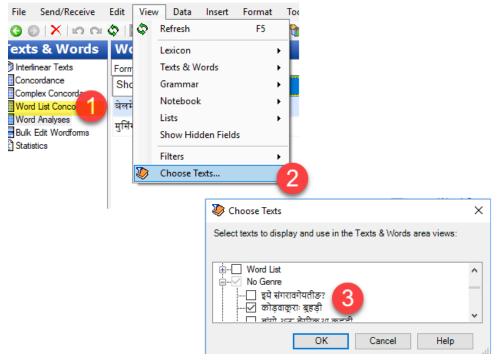
Note: THIS SHOULD BE DONE BEFORE DOING ANY TEXT CHARTING and ideally before interlinearizing as the export to flextext format only creates a baseline with free and literal translation and any notes on the segment.

Note also: All words of the text must have both representations (in this case Devanagari and IPA/roman). Check for places in the text that do not have both representations by sight:

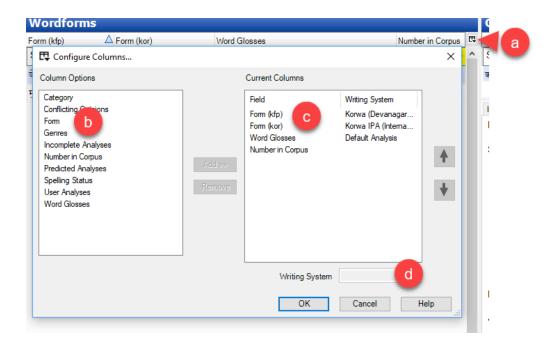


Or by using a query in the Word Analyses tool using these steps (refer to the images below):

- 1. Select the Word List Concordance tool
- 2. Limit the words that are showing to ONLY the text that you are working with. Select View ... Choose Texts...
- 3. Turn off all the checkboxes for all texts and then select only the text you are working with. Click OK.



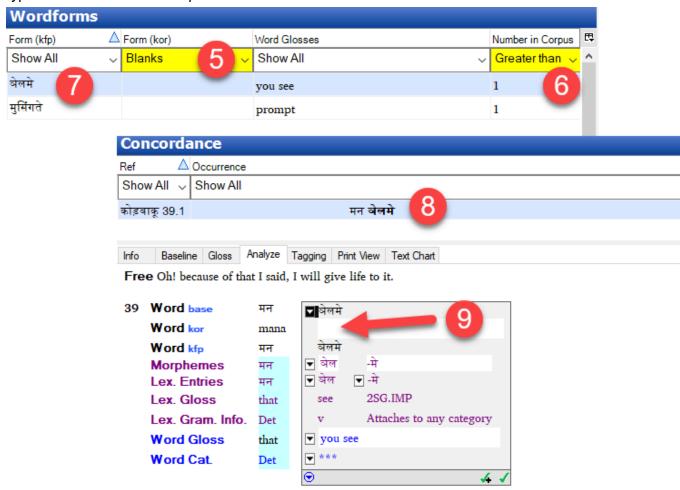
- 4. Display columns for both writing systems in the Word List Concordance tool.
  - a. Click the column selector.
  - b. Move Form over.
  - c. Change the writing system of the form and arrange.
  - d. This is where you change the writing system.

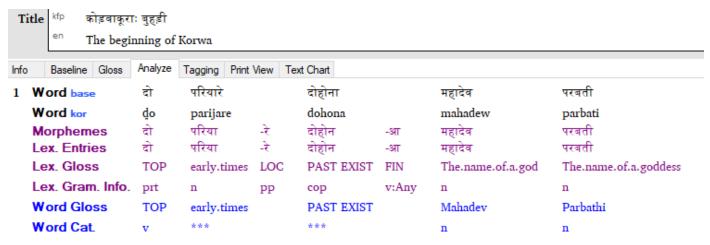


- 5. Set the column of the writing system to blank to see all the places that there is a missing representation.
- 6. Set number in corpus to "Greater than 0" (this is the number of times the word shows up in the text and we are not interested in the zero occurrence words).
- 7. Select one of the words with no second form.

Free Now you(sg) look at this.

- 8. That word shows up in the concordance.
- 9. Type in the 2nd form transcription





Free In the beginning there was Mahadev and Parbathi.

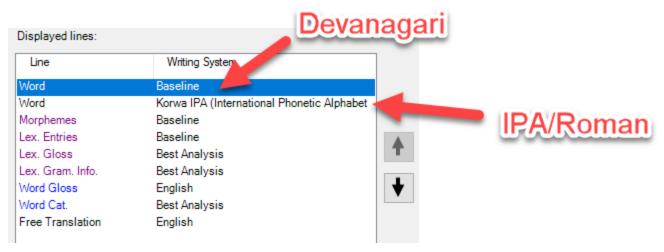
#### Original text in Analyze view.



**Original text in Text Chart view** 

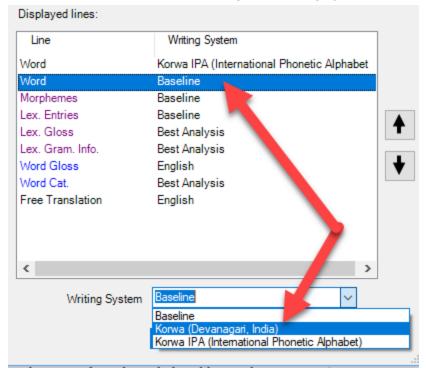
### Steps to export the text

1. From the Analyze tab, select Tools... Configure ... Interlinear.... You should see something like this:



2. Click on the IPA line and move it up with arrow.

3. Select the Word Baseline and change the writing system to Devanagari.

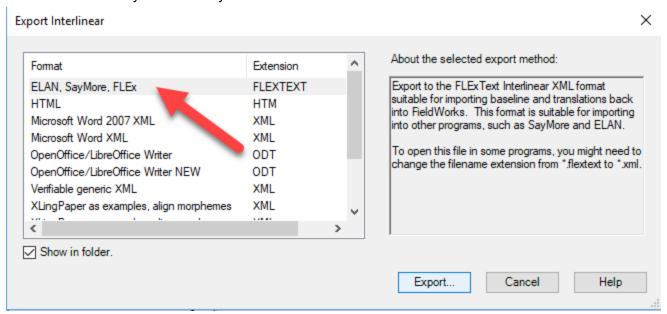


4. Click OK. The resulting text should now have the IPA/Roman representation on top.



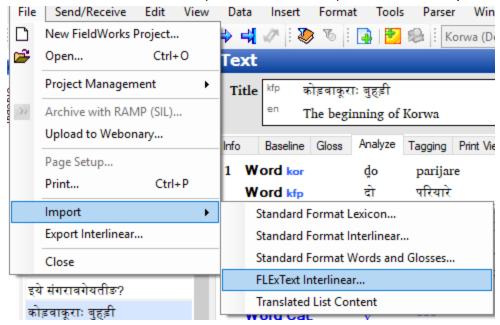
Free In the beginning there was Mahadev and Parbathi.

5. Select File ... Export ... and select the FLExText option and click on the Export... button. Save the file where you can easily retrieve it.

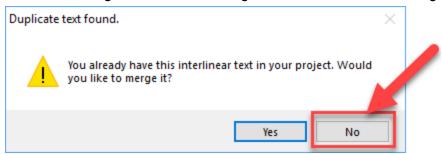


#### Steps to import the text

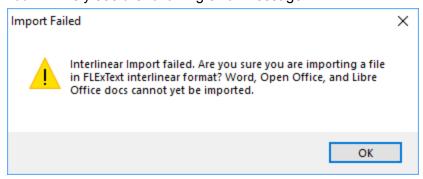
1. You must be in the Texts tools (i.e. not Lexicon Edit). Select File ... Import... FLExText interlinear ...



2. Find the text that you just exported and click OK. The following dialog will appear. Click No. (We do not want to merge this into an existing text. Instead we are creating a new copy).

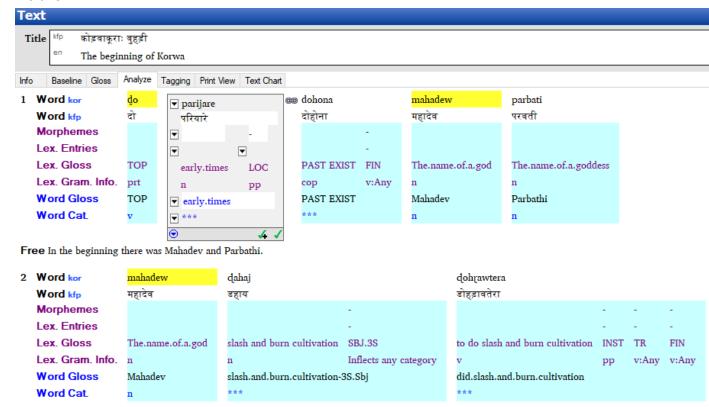


3. You will likely see the following error message:



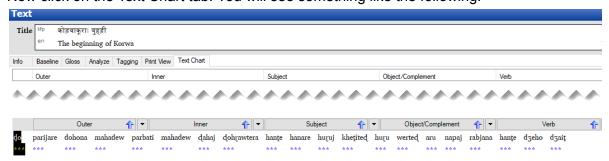
Click OK.

4. You should now see a new copy of the text in the list of texts. Click on it and you will see something like this:



Free Mahadev did slash and burn cultivation.

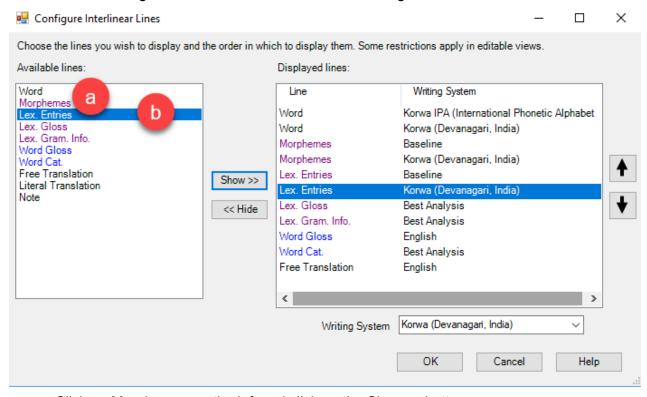
- 5. We find the following problems in the above screen shot:
  - a. The interlinearization that we had previously done is not there.
  - b. FLEx is guessing about analyses (as shown by blue shading)
  - c. The morphemes and Lex. Entries lines are blank (they are displaying the baseline writing system which in this case is IPA/roman but our Lex. Entries and morphs only have Devanagari representation so far.
- 6. Now click on the Text Chart tab. You will see something like the following:



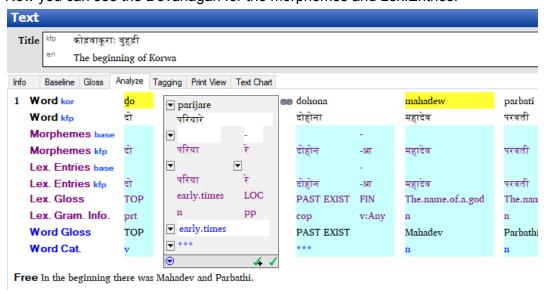
7. Note that in the above screen shot we now have a IPA/roman baseline to work with but all the word glosses are absent. This is because there is no human-confirmed interlinearization in the text (it was all blue or yellow guesses).

## Steps to massage the newly imported text for use in the Text chart tab.

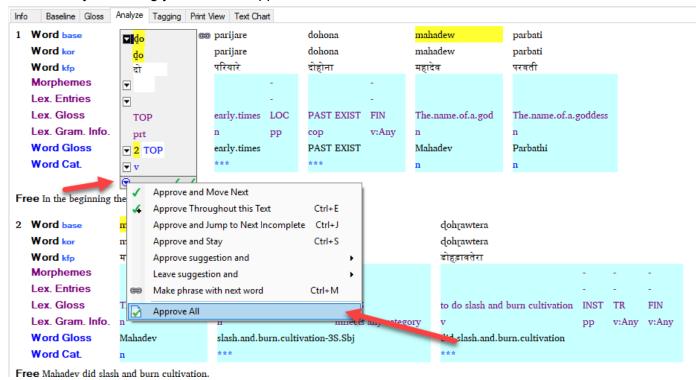
1. Go back to the Analyze tab. We want to show the Devanagari for Lex.Entries and Morphemes. Select Tools... Configure ... Interlinear... and do the following:



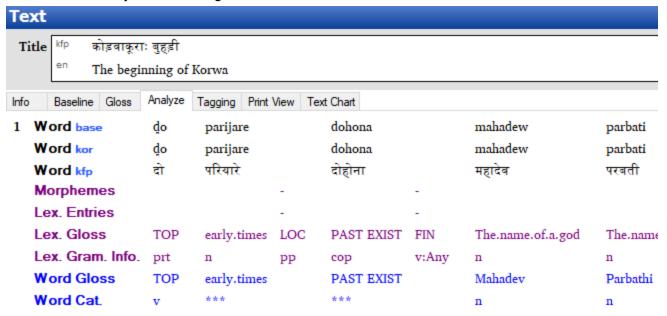
- a. Click on Morphemes on the left and click on the Show>> button.
- b. Click on Lex.Entries on the left and click on the Show>>button.
- c. Click OK.
- 2. Now you can see the Devanagari for the morphemes and Lex. Entries.



- 3. If you want, you can add IPA/roman representations to the Lex.Entries in Lexicon Edit. Currently, morphemes cannot be easily added in another writing system. But for our purposes in text charting we only need to the words in IPA/roman and their glosses. We need to confirm the guessed analyses so that the word glosses will show up. When there is more than one possible guess, FLEx displays the word in yellow. So you might want to go through all the yellow words first and choose the analysis that you want for each one.
- 4. Once you have confirmed the yellow analyses, you can do the all of the blue analyses in one fell swoop. To do this, click on the first word in the text and select the button left hand blue-triangle-circle and select Approve All. This will human-confirm all of the FLEx guesses and the blue and any remaining yellow will disappear.



5. This should give you the same interlinearization that you had in the source text that we started with. Note the blue and yellow is now gone.



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6. Now click on the Text chart tab. Voila! IPA/roman baseline with our word glosses showing up!

