

# Working with EXAKT <sup>1</sup>



## A. Functionality of EXAKT

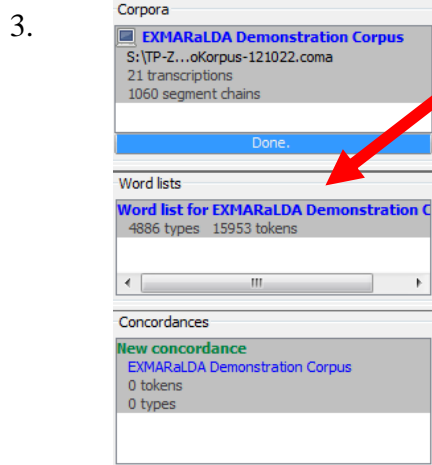
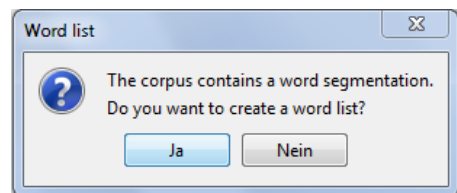
The *EXMARaLDA Analysis and Concordancing Tool* is a tool for searching and analysing corpora of spoken language transcriptions as created by the EXMARaLDA Partitur-Editor and the EXMARaLDA Corpus Manager. EXAKT enables you to:

- perform corpus searches on different levels (transcriptions, metadata, annotations...)
- display search results in context (KWIC concordances)
- generate word lists
- filter, categorize, quantify search results (+ metadata) according to various criteria.

## B. Opening a corpus and generating a word list

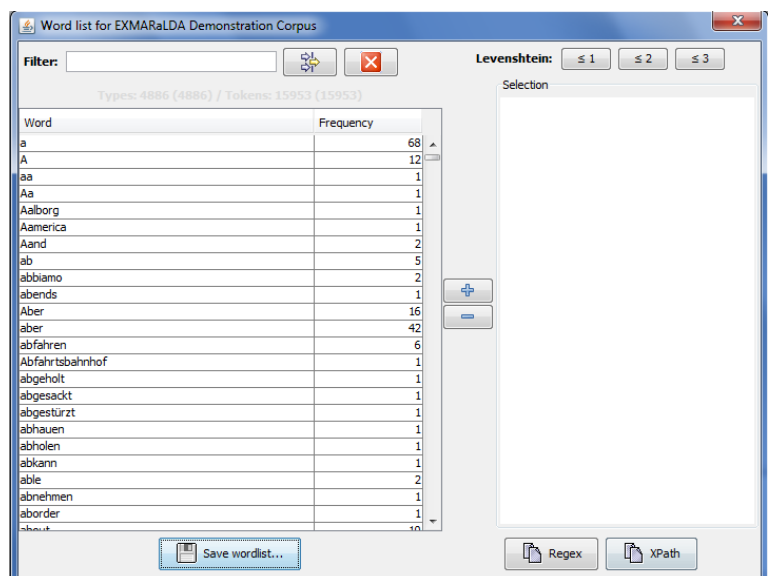
1. Open corpus<sup>2</sup> via **File > Open corpus...** and choose a *.coma* file.

2. If the corpus has been segmented for words, EXAKT offers you the possibility to generate and use a word list. If you choose **Yes**, the word list will be created and displayed in the **Word lists** section of EXAKT (left column).



3. Double click on an entry of that list to display it with all the word types occurring in the corpus together with their frequency. The words can be sorted alphabetically or by their frequency.




Via **Save wordlist...** a \*.txt or \*.html version of the wordlist can be generated. You can filter the list using a regular expression. Double click on any entry in the word list or click on the button with the plus/minus sign to add/remove a word to the selection on the right side of the dialog.

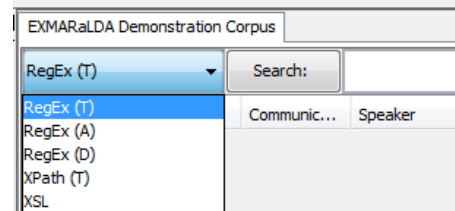


<sup>1</sup> For detailed information on working with EXAKT see *EXAKT manual*

<sup>2</sup> See also *How\_to\_create\_a\_corpus\_from\_a\_set\_of\_transcriptions\_EN*

## C. KWIC Concordance

1. Choose tier from the drop-down menu you want to search in, then enter a word in the field beside the **Search** button and hit the *Enter* key or click .
2. You will be given a KWIC concordance displaying all the places in the corpus which match your word (e.g. *know*) with left and right context. You can reduce or increase the amount of text in the left and right context columns by clicking on the buttons *show more*  or *less context* , respectively.



#	S	Communication	Speaker	Left Context	Match	Right Context
1	<input checked="" type="checkbox"/>	Paul_McCartney_Interview	INT	say, the advent of the Beatles, since we came to	know	the Beatles here in A/ here in Aamerica, ((breath
2	<input checked="" type="checkbox"/>	Paul_McCartney_Interview	INT	stic acts of admiration for you, such as, I don't	know	if you're aware of this, but, in Milwaukee, a you
3	<input checked="" type="checkbox"/>	Paul_McCartney_Interview	INT	ed to climb up to your floor. Does this... Ehm... I	know	you enjoy eh the/ your fans' admiration • of/ of
4	<input checked="" type="checkbox"/>	Paul_McCartney_Interview	PMC	, we went into the group. ((breathes in)) Eh, you	know	. I went into the group and ehm we played around f
5	<input checked="" type="checkbox"/>	Paul_McCartney_Interview	PMC	((1s)) (Me) I don't	know	really ((laughs)) ehm • • • I just wanna be able
6	<input checked="" type="checkbox"/>	Paul_McCartney_Interview	PMC	be able to do what I want to do. • • And so, you	know	, at/ • • at this moment this is what I want to do
7	<input checked="" type="checkbox"/>	Paul_McCartney_Interview	PMC	((breathes in)) Completely. • • But, ehm • • you	know	I should be able to do whatever I want to do. • •
8	<input checked="" type="checkbox"/>	Paul_McCartney_Interview	PMC	e to do whatever I want to do. • • • Later on, ye	know	.
9	<input checked="" type="checkbox"/>	Paul_McCartney_Interview	PMC	hers, the Rolling Stones. • • • Ehm • a lot, you	know	.
10	<input checked="" type="checkbox"/>	Paul_McCartney_Interview	PMC	Well it bothers us if they're gonna get hurt, you	know	((breathes in)) Cause actually some of them do r
11	<input checked="" type="checkbox"/>	Paul_McCartney_Interview	PMC	e actually some of them do ridiculous things, (ye	know	((breathes in)) There was a fellow, he wa/ he w
12	<input checked="" type="checkbox"/>	Paul_McCartney_Interview	PMC	balcony. Twelve floors. God! ((breathes in)) You	know	. I mean, he could have just fallen off any second
13	<input checked="" type="checkbox"/>	Paul_McCartney_Interview	PMC	breathes in)) It was ridiculous. and eh • • • You	know	(when) ((inc.))
14	<input checked="" type="checkbox"/>	Monty_Python_My_Theory	PRE	Yes now // // I	know	it's yours. Eh • what is it?
15	<input checked="" type="checkbox"/>	Beckhams	PAR	ook. I hope you got time to finish this book, you	know	, before (to) ... ((laughing))
16	<input checked="" type="checkbox"/>	Beckhams	VIC	n my personality to want to ((0,4s)) succeed. You	know	, even when it was, you know, I wanna do my homework
17	<input checked="" type="checkbox"/>	Beckhams	VIC	((0,4s)) succeed. You know, even when it was, you	know	. I wanna do my homework right. Ehm ((0,6s)) but y
18	<input checked="" type="checkbox"/>	Beckhams	VIC	6s)) but yeah I mean I'm one of these people, you	know	, when someone kicks me, you know, I try hard to g
19	<input checked="" type="checkbox"/>	Beckhams	VIC	hese people, you know, when someone kicks me, you	know	. I try hard to get up again. ((0,4s)) Because I k
20	<input checked="" type="checkbox"/>	Beckhams	VIC	w, I try hard to get up again. ((0,4s)) Because I	know	what I wanna do I love what I do at the end of th
21	<input checked="" type="checkbox"/>	Beckhams	VIC	anna do I love what I do at the end of the day. I	know	that I'm putting myself up for criticism. I am ve
22	<input checked="" type="checkbox"/>	Beckhams	VIC	the same sort of family values as me. ((0,3s)) You	know	he was sitting there with his family and and I re
23	<input checked="" type="checkbox"/>	Beckhams	VIC	ime for ((0,4s)) for both of us. ((0,3s)) Ehm you	know	I was pregnant at the time. And I think that a fe
24	<input checked="" type="checkbox"/>	Beckhams	VIC	((0,5s)) David's name into that. And ((0,4s)) you	know	I think that you took it too cool, didn't you? Eh
25	<input checked="" type="checkbox"/>	Beckhams	VIC	one can say honestly I haven't done this I don't	know	this person as much as you want to believe that p
26	<input checked="" type="checkbox"/>	Beckhams	VIC	I do) put that element to doubt in your mind. You	know	, and people can say what they want about me. ((0,
27	<input checked="" type="checkbox"/>	Beckhams	VIC	ne person and Brooklyn ((0,5s)) that is mine. You	know	people can't touch. (They won't) touch. ((laughin
28	<input checked="" type="checkbox"/>	Beckhams	DAV	as it was definitely. As soon as I (saw her). You	know	. I didn't even have to meet her I see her on the

3. If you double click on a search result, the corresponding transcription will be opened in the lower part of the screen (displayed as a musical score, if **Partitur** option is chosen). You can freely navigate in this transcription and if your transcription is aligned with an audio or video file, you can use the play button to playback the corresponding part of the recording.






The screenshot shows the software interface with a KWIC concordance table and a transcription window. The concordance table lists search results for the word 'know'. The transcription window, titled 'Partitur', shows a musical score with a play button and a search icon. A red arrow points to the play button.

4. You can also search the corpus using *regular expressions*<sup>3</sup>. EXAKT provides help for working with regular expressions in several places:
  - a. The context menu in the search expression text field lists some commonly used meta-characters. Choose any entry in that context menu to paste the respective character into the search expression text field.
  - b. If you click on the **Search** button to the left of the search expression text field, a dialog will come up which helps you to formulate some commonly used types of regular expression
  - c. Under the menu item **RegEx > Regex Library Dialog** a dialog with different *regular expression libraries* can be found, one of them, the **EXMARaLDA Regex Library**, is built into EXAKT. It contains some commonly used search patterns for different languages and different transcription systems.


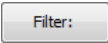


#### D. Filtering and categorizing search results

Once you have carried out a search, you can display metadata, i.e. data about speakers, communications or transcriptions in additional columns of your KWIC concordance. These can be searched, sorted and filtered.



##### 1. Displaying metadata for concordances:

- a. Click on 
- b. Choose metadata fields and click 
- c. Set/change order via  
- d. Confirm with 

##### 2. Filtering concordances:

- a. Click on 
- b. Enter manually *or* click on 
- c. Click on register **Types**
- d. Choose data and click on **>**
- e. Confirm with 
- f. Checkbox (on the left) displays filter results
- g. Delete unselected entries via click on 

##### 3. Adding analysis:

- a. In order to classify or categorize your search results, you can add one or several analysis columns to the KWIC Concordance.
- b. Click on  **>** enter title and type **>** in the case of “closed category list” enter categories **>** click on 
- c. Analysis columns can be sorted and filtered just like the other columns of the KWIC concordance.

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<sup>3</sup> See also *Regular\_Expressions\_EN*

The image shows a screenshot of the KWIC concordance tool interface with various components labeled. The interface includes a menu bar (File, Edit, View, Concordance, Columns, Rows, Regex, Help), a search bar with the word "know" entered, and a table of concordance results. The table has columns for #, S, Communication, Speaker, Left Context, Match, and Right Context. A sidebar on the left shows a corpus list (EXMARaLDA Demonstration Corpus), a word list (Word list for EXMARaLDA Demonstration C), and a concordance list (know). A bottom panel shows a partitur view of the selected text, with options to output as .html, display as partitur, display as list, or display as html.

Labels and their corresponding components:

- checkbox: points to the search bar.
- number of matches: points to the search results count (35 results).
- search item: points to the word "know" in the search bar.
- search: points to the search button.
- filter: points to the filter icon in the sidebar.
- metadata: points to the metadata icon in the sidebar.
- add analysis: points to the add analysis icon in the sidebar.
- copy: points to the copy icon in the sidebar.
- refresh: points to the refresh icon in the sidebar.
- view: points to the view icon in the sidebar.
- show more/less context: points to the show more/less context icon in the sidebar.
- corpus list: points to the EXMARaLDA Demonstration Corpus in the sidebar.
- word list: points to the Word list for EXMARaLDA Demonstration C in the sidebar.
- concordance list: points to the know concordance list in the sidebar.
- play: points to the play button in the bottom panel.
- open partitur in browser: points to the browser icon in the bottom panel.
- output as .html: points to the output as .html button in the bottom panel.
- display as partitur: points to the Partitur radio button in the bottom panel.
- display as list: points to the List radio button in the bottom panel.
- display as html: points to the HTML radio button in the bottom panel.
- left context: points to the Left Context column in the table.
- right context: points to the Right Context column in the table.
- remove unselected search results: points to the remove unselected search results button in the sidebar.
- KWIC concordance: points to the main table area.