

## Cleanup Unresolved from November 2020 Zulgo beta test

- Find again (not happening now) and fix scrolling frame size problem on rename
  - frame in a frame? (this problem looks familiar...)

## In Process

- need to fix multiple links to the same recording
- check that changes to S regexs don't break too much.
  - remove profile from recording names
- set lc recordings to go on entries, not senses.
- bring diacritics into vowel variables
- Check on second gloss for lc/lx recording page

## Next Features

- Fully distinguish C, CG, and NC onsets, C and N finals
  - look for CG and NC first, then C.
  - how to treat C1 = C2? CG1 = CG2? Do we want S to be larger units, or to have N and G modifications?
  - how to treat N and C different word finally? (may have to leave this for analysis)
  - set lift.c = {} with values lift.c['C'], lift.c['CG'], lift.c['NC']
    - \* C could include N and G, but other would be distinct from CC.
  - set lift.v = {}, with lift.v['V'], lift.v['V:'], and lift.v[' $\tilde{V}$ '] or lift.v['VN']?
    - \* some people may want V to include V:, others may not (for tone, probably all should...)
    - \* setup question: is [ $\tilde{V}$ ] or [VN] (hopefully not both!)? —This is important for tone.
    - \* for regex[N#], convert the # to \$.
  - make settings to turn off NC≠C≠CC, CG≠C≠CC and N≠C#
  - make window to set settings
- prioritize guesses, so most frequent C or V is chosen first. (then second?)
  - collections.Counter()
- add C and V sorting (and CV?)
- XLP export
  - write to file
  - run dotexpdf (once you figure out where that is) to generate pdf
  - run script to generate html
  - figure out window specific variations (with Andy?)

## **Prioritization**

- make checkcheck reference most popular *unfinished* ps-profile combo

## **Documentation**

- Add what and why pages in different places, with rationales and instructions specific to context?

## **Issues since November 2020 Zulgo beta test**

### **Useability**

### **CV Report**

- make CV report not include ei as both V and VV, but not exclude a word for both C1 and C2.
- make CV report not include Caa in V1 or V2
- make data only give once (not in V1 or V2 if in V1 = V2)

### **Under the Hood**

- put `setdefaults.py` into Check class
- transition to gloss only (no definition references)
- make docs specify gloss should be populated (maybe instructions to bulk copy?)
- distinguish between lc and lx
- make CV report only reference lx field
- make docs specify the difference, start with lc references (maybe instructions to bulk copy?)

## **Version 5.0**

- made `help:about` scroll
- fixed multiple sense glosses pulled into CV reports (now senses are sorted individually)
- added linebreaks to tone frame definition window, to keep it on the page

### **UI**

- Added page to instruct A→Z + T how to distinguish certain segment classes

## Under the Hood

- added variables for version number and program name, added to help:about

## Version 0.4

### new features:

#### Functions

- New page (“Record dictionary words”) to record and store links in one of the following (the last two have a number of possible names in field[@type = {possible name}]); the tool currently guesses from a number of options, based on what is in the lift database):
  - lexical-unit/form[@lang = voicelang]/text
  - citation/form[@lang = voicelang]/text
  - {pluralname}/form[@lang = voicelang]/text
  - {imperativename}/form[@lang = voicelang]/text

#### UI

- New wait window for longer tasks (reports, recording)
- Record button now works for different contexts, by `self.type`:
  - T: tone report (as was done before)
  - C,V: citation forms (new page? plural, other forms? all )
- “Record dictionary words” page also accessible through record menu
- added check for parameters before making recording windows
- added button for next group in citation recording pages, distinct from exit.

#### Bugs

- fixed problem with dot (.) in directory name

## Version 0.3.1

### new features:

#### prioritization

- now assumes *every* setting for initial startup

- check type should be Vowel until selected otherwise
- assumes most populous ps-profile filter, until another is chosen.
  - \* new function to determine most populous syllable profile, with its ps
  - \* runs (and refreshes) with other syllable profiles on certain startups
  - \* selects most restrictive check available for profile (i.e. CVCV vowel checks start with V1 = V2, not V1 or V2)
  - \* selects most populous V or C to check first
  - \* for CV checks, asks user which C and V (can't really guess that)
- C, V and profile selection dialogs now sorted by (included) counts, for the user to select based on frequency
  - counts are for valid data by ps, in the whole database

## reports

- CV report now takes most populous syllable profiles, and runs all checks
  - most restrictive (e.g., V1 = V2) first
  - includes data only once per Sn (not in V1 or V2 if in V1 = V2, nor in C1 or C2 if in C1 = C2)
  - repeats data selected for by another Sn (C1 and V1 both is OK, for CV profile)

## Useability

- only question required on first open (for now) is C,V,CV, or T; everything else has an initial assumed value (though still changeable through the menus).
- Record button on main window, with unencombered icon
- checkcheck picks the most numerous profile, along with it's ps.
- label method to wrap on availablexy
- main window displays number of words in current ps-profile filter
- new (Advanced) menu option to redo syllable profile analysis
- Sort now ask user to affirm "This word is OK in this frame" on first word.
- added second gloss fields to tone frame addition window
- added second gloss (now by iso code) to getframeddata
- Trimmed down settings that are reset by another to a few essentials
  - checkcheck (flash) only when a setting is actually changed.
  - subcheck, if current values are appropriate to selected values.
- Join dialog is now more intuitive: one window with a single reset frame on select, instructions ask user to select two groups (as opposed to one, then the other). The first selection sets the first variable (as before), but leaves text in place, now as a label -other buttons remain.

## bug fixes:

### Useability

- make all file open options with encoding='utf-8'
- Fixed issue where exit sorted into last group; now just exits sorting.
- remove lift\_url.py from repo
  - if non file found in lift\_url.py, rejects and asks for a file.
  - if non-LIFT file is given, AZT quits on an exception, with console and UI message, and deletes lift\_url.py.
- fixed C/V report
- fixed missing frames on tone checks –asks user to define a frame if none there.
- reworked buggy distinction of integer and named groups
- removed Noform Nogloss entries from recording screen
- resolved problem of leaving triage resulting in incorrect sorting
- now guesses:
  - UI language (via gloss, which is in turn guessed from database)
  - Analysis language
  - Gloss languages
- fixed problems with recording settings and file names

### UI

- Added icons to distinguish sort and verify pages, as well as join pages
- resolved joint second window problem with the scrolling frame
- fixed scrolling frame problems
- removed (inappropriate) tone group designation from items on tone up report
- syllable profile and vowel windows now scroll

### Under the hood

- framed script now addresses both senses and examples
- fixed problems that arise from empty form (cut processing of those records)
- group name references now use int() instead of len()
- remove requirement for location key in tone frames
- gloss and form usage removed from self.toneframes references in getframeddata –now iso codes
- changed lift.py functions (addexamplefields, addpronunciationfields, exampleisnotsameasnew, exampleissameasnew) to work on iso codes
- Changed references to getframeddata with ['gloss'] or ['form'] to iso (['formatted'] and ['tonegroup'] OK)
- reworked addexamplefields and dependent functions to work with iso gloss/forms
- self.toneframes references with form and gloss converted to iso

- fixed references to self.name which iterate. They are now stored and reset (just name and subcheck in and wordsbypsprofilechecksubcheck, but also type, ps, and profile fixed in basicreport)
- added checks to checkcheck to zero out obsoleted settings (not valid for new setting)
- Fixed iteration reset problems for self.subcheck, other variables

## **Version 0.3 (November 2020)**

### **language and search parameters**

- logic to make appropriate assumptions
- UI menus for changing parameters
- current parameters indicated in UI (main window)

### **Search basics**

- data filtering by part of speech (grammatical category) and syllable profile
- basic search (no checks yet) for vowels
- basic search (no checks yet) for consonants
- basic search (no checks yet) for consonant-vowel combinations

### **Tone frame checks:**

- Tone frame definitions (in advanced menu, should be done by a linguist)
- Sort page to sort filtered data into groups (for a given tone frame)
- Verify page to remove items that don't belong in a given group
- Join page to combine groups with the same surface tone in that frame
  - this can be called from the Advanced menu at any time
- Iterative logic to Sort, Verify, and Join until all of the following are true (at the same time):
  - no words are unsorted (except for those intentionally skipped)
  - the user affirms that each group is just one thing
  - the user affirms that each group is distinct from other groups
- user can change to another frame, profile or part of speech at any time

### **Recording**

- Once some is done, recording is possible (via Advanced menu)
- dialog to set and test sound card and recording parameters

- Words selected by analyzed tone group, one per group, then a second, etc. up to 15 (currently)
- each context/frame where a word has been sorted is presented for recording
- recording is done by click-speak-release on a single record button.
- once recorded, the user is presented with buttons to play and/or redo the recording.

## **Progress**

- the type of search (Consonant, Vowel, Consonant-Vowel, or Tone) is indicated by an icon on the Sort button on the lower left of the main window.
- the right side of the main window shows a table of progress, once some sorting has been done
  - for one check type at a time (the current check type)
  - for one grammatical category at a time (the current grammatical category)
  - The table is organized by syllable profile v subgrouping
  - cell contents count the number of groups, if unnamed
  - cell contents list groups, if named