The Design and Research Potential of Craow for Language Research and Teaching



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What is CIZOW?

- Started and imagined by Dr. Staples and Dr. Dilger to build a connection between the two programs which share similar goals and interests
- An alteration of C.R.O.W. (Corpus and Repository of Writing)
 chosen because of the connection to the Purdue OWL
- A team of indergraduate and graduate students and faculty from SLS and RC
- Goal: To create an online resource for students, teachers, and researchers with interests in and needs for corpus linguistics, pedagogical materials are community.

What Previous Projects Relate to CIZOW?

Collaborative Online Instructor Network (COIN)

ICaP 2014-2015 Assessment and IMPACT Participation

- PI: Jennifer Bay w/ Freddie deBoer and Sherri Craig
- Developed holistic rubrics to rate work (200+ samples)
- Determined more work was needed to understand ICaP
- Mostly 106 materials, 1 section of 106-I included

Another Previous Project Related to CIZOW

Purdue Second Language Writing Corpus (PSLW)

- PI: Shelley Staples w/ R. Scott Partridge and Heejung Kwon
- Collects student texts from 106-I courses
- Offers research and publication opportunities
- Offers professional and research development opportunities for graduate student

How is Corpus Defined?

A body of naturally occurring language that is:

- authentic;
- machine-readable;
- sampled;
- representative (McEnery et al., 2006).

And, for the nature of our project, it should be assembled for a particular purpose.

What is the Data Set?

Purdue Second Language Writing Corpus (PSLW) (Fall 2014 + Spring 2015)

Assignment	# of texts	# of words	Average word count
Narrative	888	710,356	799.95
Proposal	913	736,286	806.45
Interview Report	456	411,257	901.88
Synthesis Paper	881	813,123	922.95
Argumentative Paper	874	801,238	916.75
Total	4012	3,472,260	865.47

Who is the Data Set?

Purdue Second Language Writing Corpus (PSLW) (Fall 2014 + Spring 2015)

Gender	%	Country	%	Class	%	Major	%
Male	57	China	76	Freshman	86	Other	22
Female	43	Other	9	Sophomore	7	Science	18
		Korea	5	Junior	2	Engineering	17
		India	6	Senior	5	Liberal Arts	17
		Malaysia	4			Explorers	14
						Management	12

What are the TOEFL Scores in the Data Set?

Purdue Second Language Writing Corpus (PSLW) (Fall 2014 + Spring 2015)

Test Category	Mean Score	
Listening	23.86	
Reading	24.72	
Speaking	21.14	
Writing	23.12	

TOEFL Score Range: 79-113

TOEFL Score Mean: 92.64

PSLW Reporting Verb Project

- Reporting verbs: attribute information, feelings or actions, often to outside sources
 - Searches include terms such as, argue, show, find, think

Research Design:

- Data-driven learning: a list of reporting verbs generated from corpus based on frequency
- Inductive and deductive: Students learn to identify reporting verbs, and then try to deduce the verb functions and options
- Student-centered: After group discussions and self-revision of students' own writing, will the reporting verbs in students' last draft show difference in frequency?

How does PSLW Compare to CIZOW?

PSLW

Source:

ENGL 106-i: First-Year Composition -

International Sections

Content:

Students' writing pieces

COIN

Source:

ENGL 106: First-Year Composition

Content:

Pedagogical artifacts

CIZOW

Source:

ENGL 106: First-Year Composition

ENGL 106-i: First-Year Composition -

International Sections

ENGL 108: Accelerated First-Year

Composition

Content:

Students' writing pieces Pedagogical artifacts

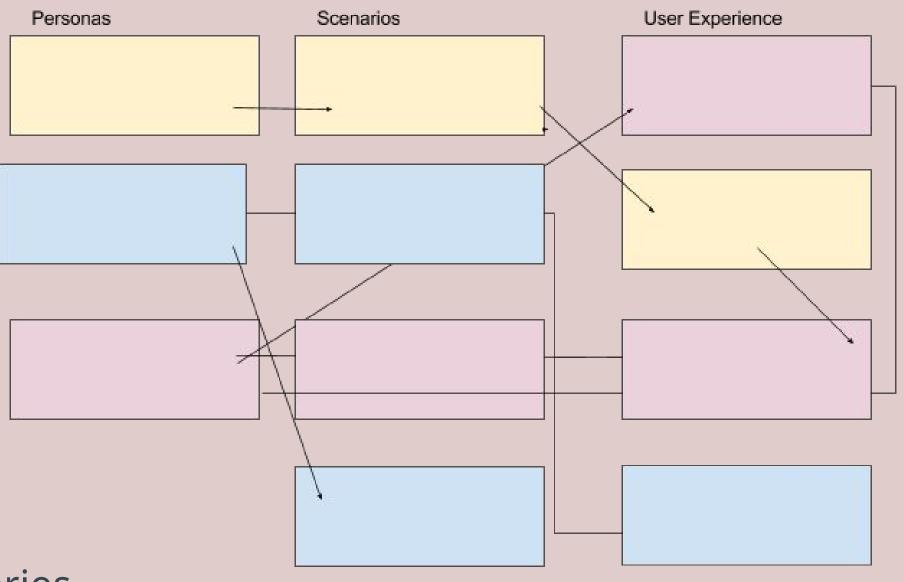
How does CIZOW Advance Corpus Work?

- Development of an online interdisciplinary interinstitutional interface where scholars can eventually submit their own texts and add to the repository and corpus
- Inclusion of pedagogical artifacts that accompany the production of the texts, including syllabi, assignment sheets, pre-writing readings, and schema building activities to contextualize corpus texts and improve learning
- Advancement of corpus linguistics and language teaching research through a unique combination of texts

What Work Has Been Completed for CIZOW?

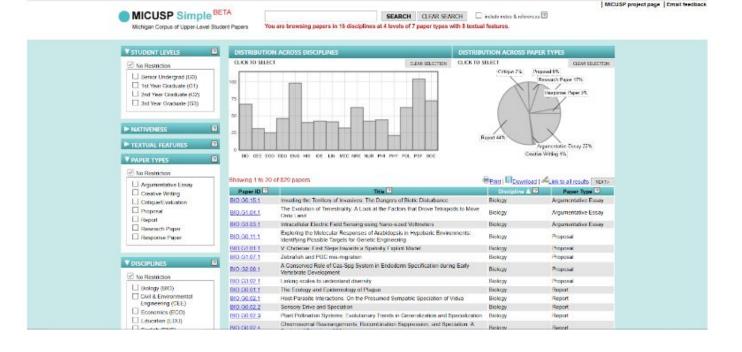
- There are many research questions based on the various CIZOW projects
- Purdue Department of English is the initial user
- Expanding to other universities in Fall 2016
- Prototyping website mock-ups
- Developing grants and conference presentation to expand ideas
- Creating user personas and scenarios
- Performed environmental scans



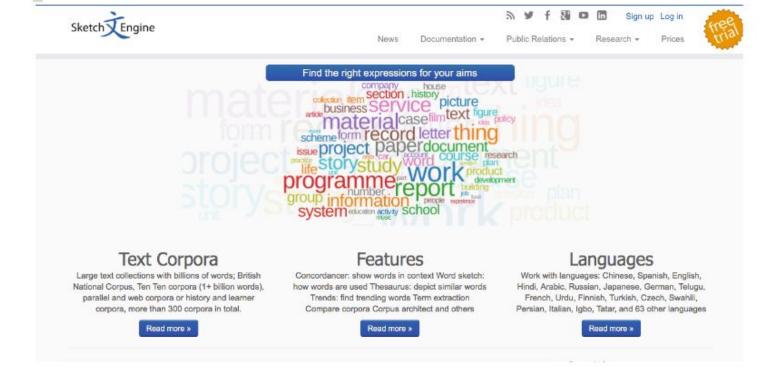


Personas + Scenarios

Interaction



Category	Comments
Navigation	The categorized search menu system on the left, the search bar at the top and the hyperlinks near the essays create a simple navigation. Once users select an essay, the user demographic information and the essay text is revealed in a new tab, allowing the user to more easily move back and forth between the main page and the selected essay. But, in order to go back to the original home page, the user has to completely clear any selections they have made and then proceed from the beginning.
Intuitive Use	If all of the menus are collapsed, the site's intuitive use is reduced because of the overwhelming information provided on a single page. There is no page that provides information about the site, so MICUSP's site users must understand the purpose of it prior to interacting with the information. Without any kind of statement of purpose, anyone outside of this program, or anyone



Criteria	Evaluation	
Users and core tasks	Lexicographers, teachers, students, terminologist, translators, historians, and anyone who wants to research how words behave.	
	More words for teachers : Contemporary linguistics solves the difference between what we <i>can</i> say and what we <i>do</i> say. Thanks to corpora, you can find out how it deals with the problem to this	

What are the Major Crow Projects?

- Project 1: Genre Analysis of First Year Writing
- Project 2: Writing Development in First Year Writing (L2 and potentially L1 as well)
- Project 3: Relationships between First Year Writing and Disciplinary Writing
- Project 4: Professional Development
- Project 5: Purdue-centric Assessment and Evaluation



Thank you.

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