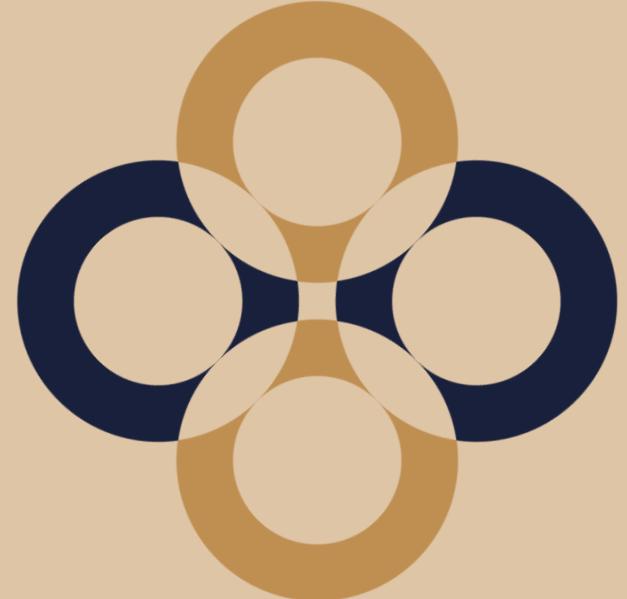


Scholarly Literature Wanted!

Sources



Content

- External search engines – Google, GS, etc.
- Source evaluation, CRAAP
- Signs of a Scholarly article
- Library databases vs. Search engines
- Searching platforms - Library



External search engines – Google, GS, etc.

Google

- Commercial search engine
- None scholarly literature
- Perfect for:
 - Seeking news
 - Jumping point
 - Check basic information

Google Scholar

- Scholarly literature
- Finds also predatory journals
- Through VPN, full-text is available



Important! Source evaluation



Source evaluation - CRAAP

- author's affiliation
- the date of the article
- the style of the text
- relevancy (whether the document is relevant to your research)
- purpose of the text, etc.

C	Currency: <i>The timeliness of the information.</i> <ul style="list-style-type: none"> • When was the information published or posted? Revised or updated? • Does your topic require current information, or will older sources work as well?
R	Relevance: <i>The importance of the information for your needs.</i> <ul style="list-style-type: none"> • Does the information relate to your topic or answer your question? • Who is the intended audience? / an appropriate level?
A	Authority: <i>The source of the information.</i> <ul style="list-style-type: none"> • Who is the author/publisher/source/sponsor? • What are the author's credentials or organizational affiliations? • Is the author qualified to write on the topic? / contact information?
A	Accuracy: <i>The reliability, truthfulness and correctness of the content.</i> <ul style="list-style-type: none"> • Where does the information come from? / supported by evidence? • Has the information been reviewed or refereed? • Does the language or tone seem unbiased and free of emotion?
P	Purpose: <i>The reason the information exists.</i> <ul style="list-style-type: none"> • What is the purpose of the information? Is it to inform, teach, sell, entertain or persuade? • Does the point of view appear objective and impartial? • Are there political, religious, institutional or personal biases?

Source: <https://academic-englishuk.com/evaluating-sources/>



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Signs of a scholarly article

Title → A Cognitive Model for the Representation and Acquisition of Verb Selectional Preferences

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Abstract → We present a cognitive model of inducing verb selectional preferences from individual verb usages. The selectional preferences for each verb argument are represented as a probability distribution over the set of semantic properties that the argument can possess—a *semantic profile*. The semantic profiles yield verb-specific conceptualizations of the arguments associated with a syntactic position. The proposed model can learn appropriate verb profiles from a small set of noisy training data, and can use them in simulating human plausibility judgments and analyzing implicit object alternation.

Introduction → Verbs have preferences for the semantic properties of the arguments filling a particular role. For example, the verb *eat* expects that the object receiving its theme role will have the property of being edible, among others. Learning verb selectional preferences is an important aspect of human language acquisition, and the acquired preferences have been shown to guide children's expectations about missing or upcoming arguments in language comprehension (Nation et al., 2003).

In previous work (Alishahi and Stevenson, 2005), we have proposed a usage-based computational model of early verb learning that uses Bayesian clustering and prediction to model language acquisition and use. Individual verb usages are incrementally grouped to form emergent classes of linguistic constructions that share semantic and syntactic properties. We have shown that our Bayesian model can incrementally acquire a general conception of the semantic roles of predicates based only on exposure to individual verb usages (Alishahi and Stevenson, 2007). The model forms probabilistic associations between the semantic properties of arguments, their syntactic positions, and the semantic primitives over all the classes that can occur in that position. Resnik's model was proposed as a model of human learning of selectional preferences that made minimal representational assumptions; it showed how such preferences could be acquired from usage data and an existing conceptual hierarchy. However, his and later computational models (see Section 2) have properties that do not match with certain cognitive plausibility criteria for a child language acquisition model. All these models use the training data in "batch mode", and most of them use information theoretic measures that rely on total counts from a corpus. Therefore, it is not clear how the representation of selectional preferences could be updated incrementally in these models as the person receives more data. Moreover, the assumption that children have access to a full hierarchical representation of semantic classes may be too strict. We propose an alternative view in this paper which is more plausible in the context of child language acquisition.

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Charts & Equations

Alternating verbs	Non-alternating verbs
wrote	hang
sing	wear
dread	say
eat	catch
play	shove
pour	make
watch	let
push	open
steal	take
push	see
call	like
pull	get
explain	find
read	give
tear	bring
	want
	put
Mean	Mean
0.76	0.81

Figure 6: Similarity with the base profile for Alternating and Non-alternating verbs.

References

Aishahi, S. and Light, M. (1999). Building a semantic hierarchy in a Markov model. In *Proc. of the ECL, Workshop on Unsupervised Learning in Natural Language Processing*.

Alishahi, A. and Stevenson, S. (2005). A probabilistic model of early argument structure acquisition. In *Proc. of the CoNLL 2005*.

Alishahi, A. and Stevenson, S. (2007). A computational usage-based model for learning general properties of semantic triads. In *Proc. of the EuroCogSci 2007*.

Anderson, J. R. (1991). The adaptive nature of human categorization. *Psychological Review*, 98(3): 409–429.

Brockmeier, C. and Lapata, M. (2003). Evaluating and comparing approaches to selectional preference acquisition. In *Proc. of the EACL 2003*.

Carneiro, M. and Johnson, M. (2000). Explaining away ambiguity: Learning verb selectional preference with Bayesian networks. In *Proc. of the COLING 2000*.

Clark, S. and Witz, D. (2002). Class-based probability estimation using a semantic hierarchy. *Computational Linguistics*, 28(2): 187–206.

Cottine, M. (1999). Head-Driven Statistical Models for Natural Language Parsing. PhD thesis, University of Pennsylvania.

Holmes, V. M., Stowe, L., and Cappelle, L. (1998). Lexical expectations in parsing complement-without-subjects. *Journal of Memory and Language*, 28:608–628.

Levin, B. (1993). English verb classes and alternations: A generative investigation. The University of Chicago Press.

Li, H. and Abe, N. (1998). Generalizing case frames using a theorem and the MDL principle. *Computational Linguistics*, 24(2):217–244.

Light, M. and Croft, W. (2002). Statistical models for the induction and use of selectional preferences. *Cognitive Science*, 26(3):209–231.

MacWhinney, B. (1995). *The CHILDES project: Tools for analyzing talk*. Lawrence Erlbaum.

Miller, G. (1990). WordNet: An on-line lexical database. *Journal of Lexicography*, 17(3).

Nation, K., Marshall, C. M., and Altmann, G. T. M. (2003). Investigating individual differences in children's real-time sentence comprehension using language-mediated eye movements. *J. of Experimental Child Psych.*, 86:314–329.

Resnik, P. (1996). Selectional constraints: An information-theoretic model and its computational realization. *Cognition*, 61:127–159.

Body Text

Conclusions

We have proposed a cognitively plausible model for learning selectional preferences from instances of verb usage. The model represents verb selectional preferences as a semantic profile, which is a probability distribution over the semantic properties that an argument can take. One of the strengths of our model is the incremental nature of its learning mechanism, in contrast to other approaches which learn selectional preferences in batch mode. Here we have only reported the results for the final stage of learning, but the model allows us to monitor the semantic profiles during the course of learning, and compare it with child data for different age groups, as we do with semantic triads (Alishahi and Stevenson, 2007). We have shown that the model can predict appropriate semantic profiles for a variety of verbs, and use these profiles to simulate human judgments of verb-argument plausibility, using a small and highly noisy set of training data. The model can also use the profiles to measure verb-argument compatibility, which was used in analyzing the implicit object alternation.

<https://typeset.io/resources/the-a-z-guide-on-scholarly-sources/>

5

Library databases

vs.

Search engines

- Scholarly journal articles
- Popular magazine articles, newspaper articles
- Reference book articles (e.g., directories, encyclopedias)
- Books
- No sponsors or ads

- Few free scholarly journal articles, popular magazine articles, and books.
- Popular web sites (e.g., Wikipedia, Facebook)
- Commercial web sites (e.g., eBay, Amazon)
- Current news & information
- Many sponsors and ads

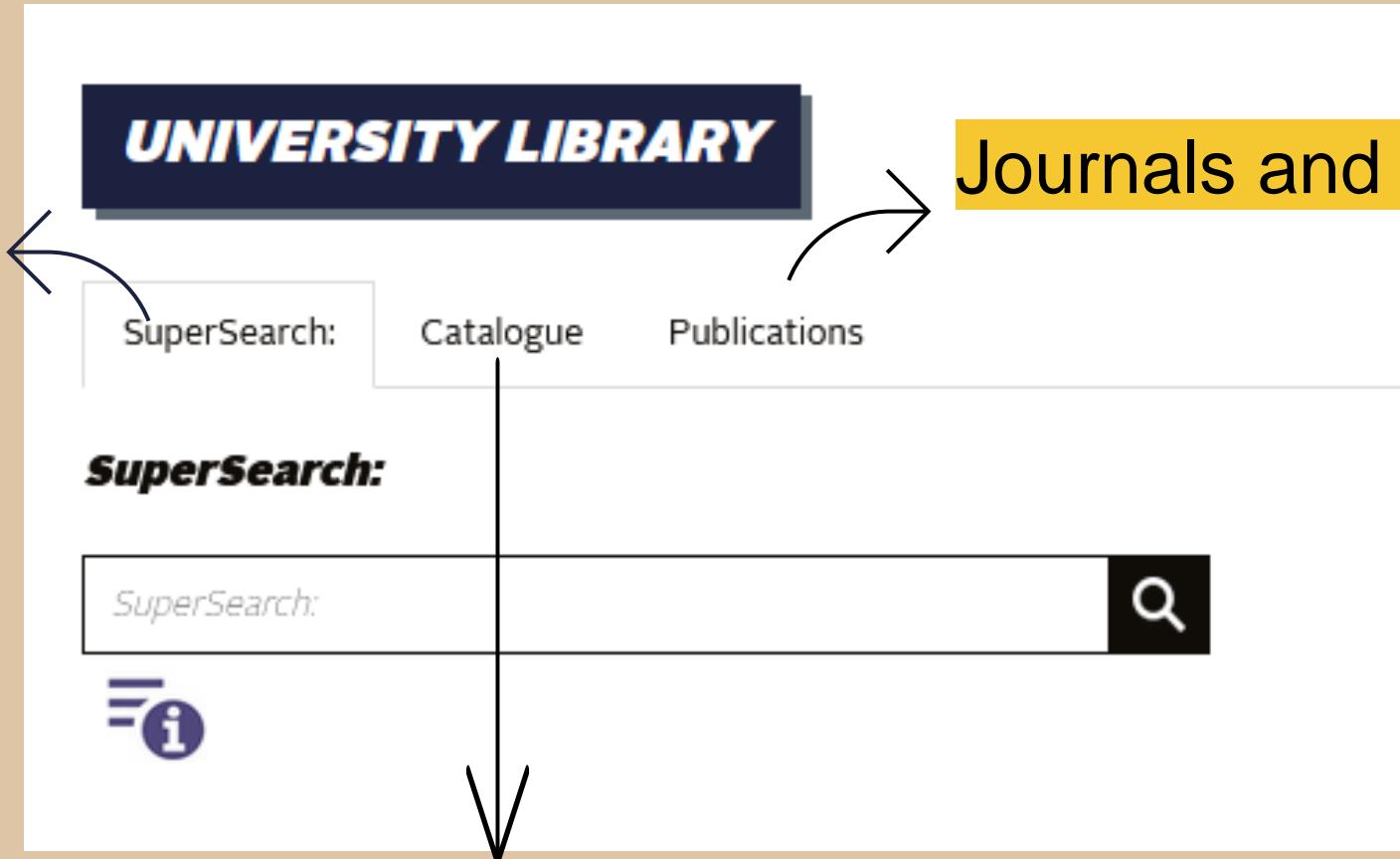
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**Thank you for
your attention!**

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