

# Licensed Databases vs. Google Scholar: Which is more Scholarly?

Jared Howland  
Tom Wright



Background



# Methodology

in 10 semi-easy-to-follow steps

# Step 1

## Multiple disciplines



step 2  
Question



How does the acquisition and

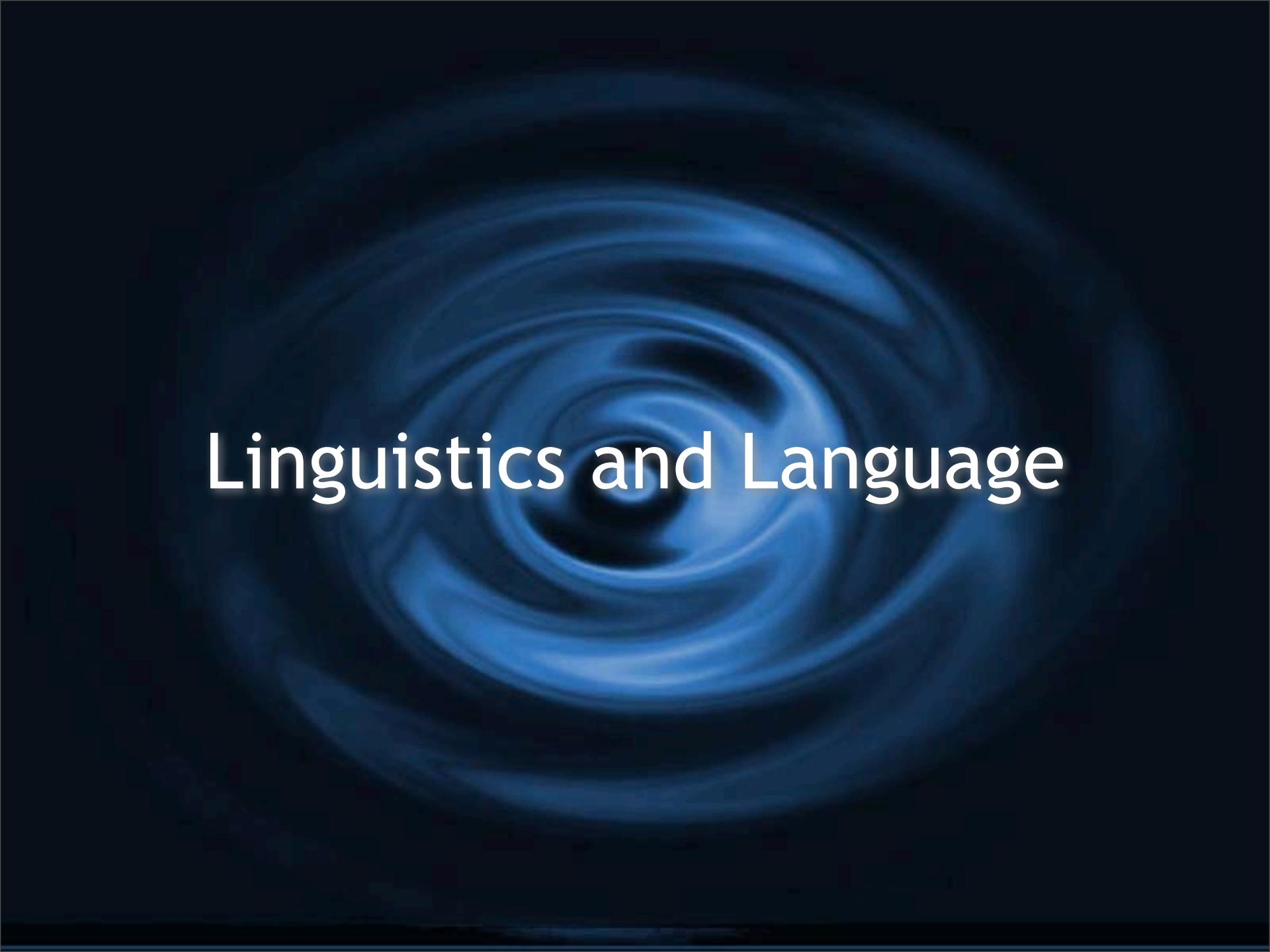
# Step 3

## Database query

bilingual\* and child\* and

# Step 4

## Database

The background of the slide features a dark navy blue gradient. Overlaid on this is a bright, glowing blue swirl pattern that resembles a black hole's event horizon or a whirlpool. The light from the swirl is concentrated at its center, creating a bright white glow that fades into the surrounding blue.

Linguistics and Language

# Step 5

Translate query

~bilingual ~child "cognitive

# Step 6

Perform searches



# ILLUMINA

Natural Miracles: What Functional Foods Can Do for You?

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- [1. "When you write 'four' in Chinese, you will find two 'J's' in it": A case study of four children learning to be literate in alphabetic and non-alphabetic print](#)

[Lu, Mei-Yu](#)

Dissertation Abstracts International, A: The Humanities and Social Sciences, 2007, 67, 08, Feb, 2914

... qualitative case study approach to examine the nature of **bilingual** and biliteracy learning process of four young ethnic Chinese **children** living in a community where mainstream American culture and English predominated. I used observations, ...

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- [2. Starting Over: International Adoption as a Natural Experiment in Language Development](#)

[Snedeker, Jesse; Geren, Joy; Shafto, Carissa L.](#)

Psychological Science, 2007, 18, 1, Jan, 79-87

... is characterized by predictable shifts in the words **children** produce and the complexity of their utterances. Because acquisition typically occurs simultaneously with maturation and **cognitive development**, it is difficult to determine ...

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CSA Linguistics and Language Behavior Abstracts

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CSA Linguistics and Language Behavior Abstracts

**Descriptors:**[\\*Language Acquisition \(41600\)](#) | [\\*Preschool Children \(67350\)](#) | [\\*Immigrants \(34670\)](#) | [\\*Asian Cultural Groups \(04950\)](#) |[\\*English \(21900\)](#) | [\\*Parents \(62770\)](#) [Discovery Links](#)[Images, Definitions, etc.](#)



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[E Bialystok](#)

[W Barnett](#)

[R Diaz](#)

[A Gopnik](#)

### [Linguistic interdependence and the educational development of bilingual children](#) - [all 2 versions »](#)

J Cummins - [Review of Educational Research, 1979](#) - JSTOR

... HC & Swain, M. A longitudinal study of **bilingual** and cognitive ... **Child Development**, 1977, 48, 1009-1018 ... a) Ben Zeev, S. The effect of **Spanish-English** bilingualism ...

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RM Diaz - [Child Development, 1985](#) - JSTOR

... **Cognitive Development**: Addressing Three Gaps in Current Research. **CHILD DEVELOPMENT**, 1985, 56, 1376-1388. 100 **Spanish(L1)-English(L2)** **bilingual children** ...

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# Step 7

Determine if citations found



# ILLUMINA

Natural Miracles: What Functional Foods Can Do for You?

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\*[Semiotics](#) (77100) | \*[Native Language Instruction](#) (56400) |  
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All Results

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J Snedeker, J Geren, CL Shafto - Psychological Science, 2007 - Blackwell Synergy  
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S Over, J Snedeker, J Geren - wjh.harvard.edu

... Starting Over: International Adoption as a Natural Experiment in Language Development Jesse Snedeker and Joy Geren Harvard University ...

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# Step 8

## Standardize citations

# Step 9

## Randomize citations

# Step 10

## Grade citations

## How does the acquisition and use of a second language in children affect their general cognitive development?

1 = Below Average Quality      2 = Average Quality      3 = Above Average Quality

Citation Number	References	Accuracy * Reliability * Fact checkers/editors/peer review	Authority * Author's qualifications * Reputable publisher	Objectivity * Minimum bias * Extent to which information is trying to persuade	Currency * Information up to date * Date of publication indicated	Coverage * Depth of coverage	Relevancy * Related to research topic
01	Caporali, S. A., de Lacerda, C. B. F., & Marques, P. L. (2005). Teaching sign language to the families of the deaf: Focusing on the learning process. <i>PRO-FONO: Revista de Atualizacao Cientifica</i> , 17(1), 89-98.	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3
02	Francis, N. (2002). Modular perspectives on bilingualism. <i>International Journal of Bilingual Education and Bilingualism</i> , 5(3), 141-161.	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3	1 2 3



Results

Google Scholar is on average

$$total\ score = \mu + E_i + R_j + ER_{ij} + \varepsilon_{ijkl}$$

No statistically significant

Statistically significant

# Exclusivity Comparisons

Participant	DB Average Score	GS Average Score	Both Average Score
1	11.7	16.1	13.5
2	13.2	13.8	14.6
3	N/A	12.0	15.9
4	10.0	13.5	14.3
5	10.0	11.6	11.9
6	11.8	12.8	14.3
7	N/A	14.4	14.4



Questions