

Baichen (Albert) Du

Research Interest

Sociolinguistics: Variation, Speech production & perception, Bilingualism.

Phonetics & Phonology: Sound change, Phonological learning.

Education

2019 - 2023 **The University of Hong Kong**

Expected Bachelor of Social Sciences, Highest Honor Distinction

Major in Linguistics and Political Science.

GPA – 3.94/4.3, GPA of Linguistics – 4.08/4.3.

2020 & 2021 **Korea University**

International Winter and Summer Campus

GPA – 4.07/4.5

Courses: Data Analysis with R, Social Psychology, Game Theory, Korean Democratization.

May, 2021 **The Luso-Brazilian Association of Speech Sciences**

Workshops: Statistical Method in Linguistic Research, Speech Analysis.

Manuscripts and Projects

Co-authors' names in an alphabetical order.

2022 **Du, B.*** (2022). Attention and awareness of merger's social meaning influences asynchronous tonal change in Hong Kong Cantonese. *Undergraduate Thesis of Sociolinguistics*.

To be Submitted Do, Y.* , **Du, B.**, Tan, L., Van Hoey, T., Yu, X. (2022). Ecological learning of phonological alternation and phonotactics.

In Prep Do, Y.* , **Du, B.**, Sui, L.Z., Tak, W.L., Tsz, T.H. (2022). Multilingual speakers' performance in simultaneous generalization of multiple phonological patterns.

In Prep Havenhill, J.* , **Du, B.** (In prep). An audio-visual account for palatalization and sound change in diachronic and synchronic Time.

In Prep Soderstrom, M.* , Casar, M., **Du, B.** (In prep). Distraction affects prosodic features of Infant-Directed Speech.

In Prep **Du, B.*** (In prep). Explanatory Power or Facts: Endorsement for speculations and conjectures when social facts are absent. *Undergraduate Thesis of Computational Social Science*.

Honors, Awards, and Grants

2022 **Globalink Research Award, CAD 12,000 (USD 9,200)**

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○ Project: Distraction affects Prosodic Features of Infant-Directed Speech.

2022 **Leung Kau Kui Research and Teaching Grant, HKD 10,000 (USD 1,270)**

Faculty of Social Sciences, HKU.

○ Project: Explanatory Power or Facts: Endorsement for Speculations and Conjectures When Social Facts are Absent.

Honors, Awards, and Grants (Cont'd)

- 2022 **The K.K.Ho Prize**, HKD 20,000 (USD 2,550)
Faculty of Social Sciences, HKU.
◦ Awarded in recognition of outstanding academic performance and social responsibility.
- 2022 **Dean's Honor List**.
- 2021 **Dean's Honor List**.
- 2020 **Dean's Honor List**.
- 2019 **Soong Ching-ling Foundation Scholarship**, CNY 200,000 (USD 29,500).
◦ Awarded to undergraduates newly admitted to universities in Hong Kong & Macau, in recognition of outstanding academic performance and social activities.

Research Experience

In Progress

- Jul, 2021 - **The Language Development Lab**, Linguistics Department, HKU
Lab Member.
PI: Assoc Prof. Youngah Do & Dr. Jonathan Havenhill
Responsible for designing and executing four of the above projects, literature review, experiment building in PsychoPy using Python and JavaScript, data collection, analyzing experimental data using R, and manuscript preparation.
- Sep, 2022 - **Undergraduate Research Fellowship**, Faculty of Social Sciences, HKU
Undergraduate Research Fellow.
Supervisor: Dr. Haohan Chen
Conducting independent study titled "Explanatory Power or Facts: Endorsement for Speculations and Conjectures When Social Facts are Absent".

Previous Experience

- Jun - Sep, 2022 **The Baby Language Lab**, Department of Psychology, University of Manitoba
Lab Member.
Supervisor: Prof. Melanie Soderstrom
Conducted prosodic analysis of Infant-Directed-Speech to compare differences in F0 when caregivers paying attention to babies versus caregivers are distracted by the use of smartphones. ELAN, Praat scripting, and R programming were extensively used.
- Jan - Apr, 2022 **Department of Politics and Public Administration**, HKU
Part-time Research Assistant.
Supervisor: Dr. Haohan Chen
Assisting web data extraction. Analyzing and interpreting text data. Compiling tutorials of advanced data science for POLI3148: Data Science in Politics and Public Administration.
- Jan - May, 2021 **Undergraduate Research Opportunity Program** Faculty of Arts, HKU
Undergraduate Researcher.
Supervisor: Dr. Jonathan Havenhill
Conducted the study titled "An Audio-visual Account for Palatalization and Sound Change in Diachronic and Synchronic Time".

Teaching Experience

- Spring 2023 **POLI3148** Data Science in Politics and Public Administration (Undergraduate, Advanced)
Scheduled *Teaching Assistant* to Dr. Haohan Chen.
Responsible for delivering weekly one-hour tutorial sessions. Scheduled tutorials: Introduction to R, R Basics (Syntax, Data types, Data structure, Operators, Control flow, Print, Pipe, Customized function), StringR, Regular Expression, Web Data Extraction (Indexing, Retrieving, Parsing), Final recap.

Skills

Languages	Mandarin, English, Cantonese, French (Elementary)
Programming*	R ⁺ , Praat Script ⁺ , L ^A T _E X, Python, HTML, Julia
Research Tools	RStudio, Praat, PsychoPy, ELAN, Qualtrics, Amazon Polly Speech Synthesis
Research Skills	Frequentist Statistics ⁺ , Web Data Extraction, Machine Learning for Text Data Processing ⁺ , Forced Alignment
Other Skills	Adobe Premiere Pro, Photoshop,

*In a descending order of proficiency ⁺Hyperlinked to selected examples

Key Courses

Linguistics	Phonetics, Phonology, Phonetic-Phonology Interface, Variation analysis, Senior seminar on language development, learning, and cognitive development*, Laboratory linguistics, Experimental Phonetics and Phonology*, Second language research, Languages of the world, Grammatical description, Semantics.
Methods	Research methods in politics and public administration, Data science in politics and public administration, Data Analysis with R.

*Course in progress

Extracurricular Activities & Services

Dec, 2021 -	Chinese Culture Sub-committee , Student Association of HKU R.C.Lee Hall
Dec, 2022	<i>Chairperson.</i> Responsible for rights protection, equal opportunity and equal access to hall-wide activities, readmission affairs, and general communication between local and non-local students.
Oct, 2020 -	Social Service Fund , HKU
Oct, 2021	<i>External Secretary.</i> Responsible for general communication between university professors of media law/human rights and the Refugee Union in Hong Kong. Conducting interviews with refugee and diaspora communities. Public events advertising.
Jun - Aug, 2021	Pad for Hope Foundation <i>Teaching Intern.</i> Delivering summer courses offered to rural students, responsible for course designing, event organizing, and general communication between parents and the foundation.
Dec, 2020 -	University Service Centre , The Chinese University of Hong Kong
Jan, 2021	<i>Helper.</i> Filing and categorizing local gazetteers published by Chinese local government at the China Studies Collection.

Last Update: August 1, 2022