

Baichen Du 杜柏辰

Education

- 2019 - 2023 **The University of Hong Kong**,
Bachelor of Social Sciences, Major in Linguistics and Political Sciences.
GPA – 3.94/4.3, Major GPA of Linguistics: 4.08/4.3
- Jan - May 2023 **University of California, Campus To be Announced**,
HKU Worldwide Exchange Program, Major in Linguistics.

Non-Degree Education

- 2020 & 2021 **Korea University**,
International Winter and Summer Campus,
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

- 2022 **Du, B.*** (2022). Attention and awareness of merger's social meaning influences asynchronous tonal change in Hong Kong Cantonese. *Unpublished Undergraduate Thesis of Sociolinguistics*.
- To be Submitted Do, Y.* , **Du, B.**, Yu, X., Tan, L., Van Hoey, T. (2022). Ecological learning of phonological alternation and phonotactics.
- In Prep Do, Y.* , **Du, B.**, Sui, L.Z., Tsz, T.H., Tak, W.L. (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 Havenhill, J.* , **Du, B.** (In prep). Perception and articulation of Cantonese vowel contrasts by native speakers of English and Mandarin.
- In Prep Soderstrom, M.* , **Du, B.**, Casar, M. (In prep). Distraction affects prosodic features of Infant-Directed Speech.
- In Prep **Du, B.*** (2022). Explanatory Power or Facts: Endorsement for speculations and conjectures when social facts are absent. *Undergraduate Thesis of Computational Political Science*.

Honors, Awards, and Grants

- 2022 **Globalink Research Award**, CAD 12,000 (USD 9200),
Mitacs.
○ Project: Distraction affects Prosodic Features of Infant-Directed Speech.
- 2022 **Leung Kau Kui Research and Teaching Grant**, HKD 10,000 (USD 1270),
Faculty of Social Sciences, HKU.
○ Project: Explanatory Power or Facts: Endorsement for Speculations and Conjectures When Social Facts are Absent.

- 2022 **The K.K.Ho Prize**, HKD 20,000 (USD 2550),
Faculty of Social Sciences, HKU.
◦ Awarded to four applicants for 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).

Research Experience

- Dec, 2022 - **Undergraduate Research Fellowship**, Faculty of Social Sciences, HKU,
Research Fellow.
Supervisor: Dr. Haohan Chen.
Conducted independent studies titled "Explanatory Power or Facts: Endorsement for Speculations and Conjectures When Social Facts are Absent."
- Jul, 2021 - **The Language Development Lab**, Linguistics Department, HKU,
Lab Member.
PI: Dr. Youngah Do & Dr. Jonathan Havenhill.
Involved in designing and executing four of the above projects, analyzing experimental data, and occasional participant recruiting.
- Jun, 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,
Research Assistant.
Assisting web data extraction. Analyzing and interpreting text data. Compiling tutorials of advanced data science for a departmental course.
- Jan - May, 2021 **Undergraduate Research Opportunity Program** Faculty of Arts, HKU,
Undergraduate Researcher.
Conducted the study titled "An Audio-visual Account for Palatalization and Sound Change in Diachronic and Synchronic Time."

Skills

- Languages Mandarin, English, Cantonese, French (Elementary)
- Programming* R⁺, Praat Script⁺, L^AT_EX, Python, HTML, Julia
- Tools RStudio, Praat, PsychoPy, ELAN, Qualtrics, Amazon Polly Speech Synthesis, Amazon Mechanical Turk
- Research Skills Frequentist Statistics⁺, Web Data Extraction, Machine Learning for Text Data Processing⁺, Forced Alignment
- Others Adobe Premiere Pro, WordPress
- *In a descending order of proficiency ⁺Hyperlinked to selected examples

Key Courses

- Linguistics Phonetics, Phonology, Phonetic-Phonology Interface, Variation analysis, Laboratory linguistics: Practicum (capstone experience), Experimental Phonetics, Second language research, Languages of the world, Grammatical description, Semantics: Meaning and grammar
- Research Methods Research methods in politics and public administration, Data science in politics and public administration, Data Analysis with R.

Extracurricular Activities & Community Services

- Dec, 2021 - **Chinese Culture Sub-committee**, Student Association of HKU R.C.Lee Hall,
Chairperson.
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 *External Secretary*.
Responsible for general communication between university professors of media law/human rights and the Refugee Union in Hong Kong. Conducting interviews with refugee, immigrants, and diaspora communities. Public events advertising.
- Jun - Aug, **Pad for Hope Foundation**,
2021 *Teaching Assistant*.
Teaching assistant to 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 *Helper*.
Filing and categorizing local gazetteers published by Chinese local government at the China Studies Collection.

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