

Jiaping Xu

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Education

China West Normal University
Bachelor of Software Engineering
From 2014.9 to 2018.6

Guangxi University
Master of Landscape and Architecture
From 2019.9 to 2023.6

Curriculum

| | |
|------------------------------------|---|
| Advanced Mathematics | Probability and Mathematical Statistics |
| Linear Algebra | Introduction to Computers |
| Principles of Computer Composition | |
| Database Theory | Data Structure and Algorithms |
| Computer Network Basis | Web Development Technology |
| Operating System Principles | Object-Oriented Programming |
| Java Language Programming | C Language Programming |

History and Theory of Landscape Architecture
Landscape Planning and Design Garden Plants Applications
Engineering and Technology of Landscape Architecture
Plant Landscape Planning Management of Urban green space
Urban Forestry Ecology Basis

Academic Publication

[1] Xu, J., & Jiang, A. (2022). Effects of nature contact on children's willingness to conserve animals under rapid urbanization. *Global Ecology and Conservation*, 38.

<https://doi.org/10.1016/j.gecco.2022.e02278>

[2] Xu, J., & Jiang, A. (2023). Public Opinions on Stray Cats in China, Evidence from Social Media Data. *Animals*, 13(3).

<https://doi.org/10.3390/ani13030457>

[3] Xu, J., Yan, P., Liu, Z., Qin, H., & Jiang, A. (2023). Avitourism as an aspect of sustainable mountain development: a case study from Southern China. *Eco.Mont*, 15(1), 38–45.

<https://doi.org/10.1553/eco.mont-15-1s38>

Skills

Basics of Statistics (e.g., application and interpretation of descriptive

statistical analysis, analysis of variance, general linear regression, generalized linear regression, and linear mixed-effects models)

Relevant readings (*An Introduction to Statistical Learning; Regression Modelling Strategies; Linear Algebra*)

Basics of Machine learning (e.g., Support vector machines, decision trees, ensemble learning, random forests, principal component analysis, factor analysis, and unsupervised learning technologies)

Relevant readings (*The Elements of Statistical Learning; Multivariate Data Analysis; Hands-on Machine Learning with Scikit-Learn, Keras, and Tensorflow; Basics of Natural Language Programming*)

Data processing with R

Data processing with Python

Language IELTS Score: 6.5 (Listening 6.5 Reading 7.5 Writing 6.0 Speaking 6.5)

Research experience

Designed a study to understand the effects of nature contact (direct and indirect) on children's willingness to conserve wild animals.

Contribution: Conceptualization; methodology; data collection; writing – original drafts preparation and editing

Designed a study to understand Chinese citizens' opinions on stray cats.

Contribution: Conceptualization; methodology; data collection; writing – original drafts preparation and editing

Participated in a study of understanding the social and ecological impacts of avitourism in a mountainous protected area.

Contribution: Methodology; data curation; writing – original drafts preparation and editing

Designed a study to understand the scale and magnitude of online illegal trading in avifauna within China. The manuscript was completed and about to be submitted.

Contribution: Conceptualization; methodology; data collection; writing – original drafts preparation and editing

Research Interests Urban ecology; biodiversity conservation; interdisciplinary research; social media data for research; social science computation