

# Beenu Sareena

## Curriculum Vitae

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in Beenu Sareena  
bwanniarachchige2

### Education

- 2019–2023 **BSc.(hons) in Statistics**, *University of Peradeniya*, Sri Lanka,  
○ Course Duration : Four Years (Full-time)  
○ GPA of 3.62 out of 4.00  
○ Medium : English
- 2023–Present **PhD in Statistics**, *University of Nebraska-Lincoln*, USA  
Reading

### Research

- 2023 **Developing a multi-species niche-based forest dynamic model using NetLogo**  
○ Supervised by Dr. S.A. Ruwan Punchi-Manage  
○ Created a simulated forest environment in NetLogo  
○ Implemented niche-based dynamics for multiple tree species  
○ Analyzed forest growth patterns and species interactions

### Publications

Sareena, B. & Punchi-Manage, R. (2023j). NetLogo Intraspecific Competition Model.  
[http://modelingcommons.org/browse/one\\_model/7274](http://modelingcommons.org/browse/one_model/7274)

Sareena, B. & Punchi-Manage, R. (2023l). NetLogo Interspecific Competition Model.  
[http://modelingcommons.org/browse/one\\_model/7275](http://modelingcommons.org/browse/one_model/7275)

### Achievements

Dean's List – 2020-2023

"In second, third, and fourth years, I was able to achieve higher GPA values in both semesters."

### Experience

- 2017–2018 **Internship Training**, *Peoples' Bank*, Sri Lanka  
○ Smart Banking  
○ Savings Accounts Handling
- 2024–Present **Graduate Teaching Assistant**, *University of Nebraska-Lincoln*, Lincoln, NE, USA  
○ Department of Statistics

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## Technical Skills

Statistical Analysis	R (RStudio), Python, Excel
Data Visualization	R (RStudio), Python
Optimization Modeling	Excel
Database Management	MySQL, SQL
Programming	NetLogo, C

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## Languages

English	Proficiency level	<i>Fluent</i>
Sinhala	Proficiency level	<i>Fluent</i>

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## Research Interests

Data Visualization  
Bioinformatics  
Statistical Simulations

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## References

### Heike Hofmann

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