

# Nathen Byford | Resume

Statistical Consultant

Status: Statistical Consultant for Statistical Consulting Center, Baylor University  
Field: Data Science, Statistical Analysis  
Techs: R, bash, Python, Julia

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natebyford.com  
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## Summary

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## Experience

Statistical Consultant - Statistical Consulting Center, Baylor University Sep. 2023 - Present

- \* Perform statistical analysis for diverse range of clients and projects
- \* Analyses of large scale and unstructured data sets with R and Bash
- \* Present results in clear and elementary manner for clients

Graduate Teaching Assistant - Baylor University Aug. 2022 - Aug. 2024

- \* Teach supplemental instruction sessions for introduction to statistics
- \* Hold office hours for introductory statistics and statistical methods
- \* Grade homework, quizzes, and exams

Undergraduate Researcher - Oregon State University June 2021 - Aug. 2021

- \* Developing new methods to test for Benford's law
- \* Implementing methods in R
- \* Compared tests for greatest power and error rate
- \* Also looked into Benford's law in english words

Data Science Fellow - Baylor University June 2020 - Aug. 2020

- \* Worked directly with stakeholders at Denver Water to analyze effectiveness and efficiency of water filtration
- \* Produce statistical analysis and interpret results

## Education

Ph.D. in Statistical Science - Waco, Texas Aug. 2022 - Aug. 2026  
(Present)

- \* Project: Correcting under-reporting in over-dispersed spatial count data
- \* Developing and implementing Bayesian method to model under-reported and over-dispersed spatial counts

Master of Science in Statistical Science - Waco, Texas Aug. 2022 - Dec. 2023

- \* Project: Anomaly Detection in Time Series Data
- \* Focus on Statistical Methods, Mathematical Statistics, and Computational Statistics.