ALYSSA M. ARRE, PH.D.

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WORK EXPERIENCE

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, OPEN LEARNING   *CAMBRIDGE, MA*
Learner Success and Data Analytics Manager   **2023 – present**
Learner Success and Data Coordinator   **2022 – 2023**

- Design and engineer process for aggregating, cleaning, analyzing, and updating data relevant to professional education course health including financial data, enrollment information, demographics, course data, and user feedback
- Provide data-informed pedagogical recommendations to course and program teams using qualitative and quantitative learner feedback and use (grades, assignment submissions, login) data to improve future course iterations and overall learner experience
- Produce reports for program teams and broader xPRO community (e.g. Sales, Marketing) to inform strategic product decisions, provide overview of learner population and reach of xPRO courses
- Apply learning analytics to grade reports to design program for targeted learner support and course communication strategy

CAYO SANTIAGO FIELD STATION   *PUNTA SANTIAGO, PR*
Scientific Director   **2020 – 2022**

- Managed all research operations at Cayo Santiago Field Station, including 13 active research protocols, over 100 annual research visitors, and station staff of 12 individuals
- Conducted analyses using longitudinal census (50+ years to inform research and field station management decisions
- Provided grant support in the form of analyses on field station impact in local community and broader research community
- Mentored and advised postdoctoral, graduate, post-baccalaureate, and undergraduate trainees at the field station on research methods, graduate school and grant applications, and RA management
- Coordinated existing research projects and facilitated new projects, and serving as a liaison between visiting researchers and university department and field center administration and staff

YALE UNIVERSITY, DEPT. OF PSYCHOLOGY   *NEW HAVEN, CT*
Head Graduate Teaching Fellow (Statistics, PSYC 200)   **2020**

- Wrote new material to incorporate effective learning strategies and engage students of differing abilities and experience, improve inclusivity of assessments, and make course materials accessible
- Independently led weekly sessions with undergraduates to teach statistics and statistical software
- Worked closely with course instructor to develop course material, train and assist course staff

Graduate Teaching Fellow   **2018 – 2020**

- Served as a teaching fellow for three separate large lecture style courses, Thinking (PSYC 179),Mental Lives of Animals and Babies (PSYC 139), and Statistics (PSYC 200)
- Assisted undergraduates navigating academic resources and summer internship applications
- Produced and reviewed exam, quiz, essay, and problem set questions, led review sessions andoffice hours, graded exams and other course assignments, and attended lectures

PEABODY MUSEUM OF NATURAL HISTORY   *NEW HAVEN, CT*

Graduate Assistant   **2019 – 2020**
- Developed educational materials for faculty at Yale that incorporated artifacts into course materials
- Coordinated all aspects of educational outreach program for schools, including recruitment, scheduling, presentations, training materials, and artifact and teaching activity curation
- Produced brand new outreach activities and exhibits for public spaces and diverse audience, including a talk series, a scientific photo exhibit series, and online resources made publicly available

RELEVANT TRAINING & SKILLS

- **Software:** Microsoft Office Suite (Word, Excel, Powerpoint), Google Suite (Sheets, Looker Studio), Adobe Creative Cloud Suite (Photoshop, InDesign, Premiere), R Statistical Software (R Studio, R Markdown), IBM SPSS Statistical Software, Tableau (Desktop, Server), Canva
- **Certifications (*Selected*):** Tableau for Data Scientists, Creating Interactive Tableau Dashboards, Measuring Learning Effectiveness, Essential Models of Instructional Design, Data Visualization: Storytelling, Canva Essential Training
- **Multi-day Workshops:** Fundamentals of Inclusive Teaching, Theory and Practice of Online Teaching, Intro to Evidence-Based STEM Teaching
- **Advanced Teaching Workshops:** Universal Design, Course Design, Assessing Participation Equitably, Preparing an Effective Lecture, Mentoring in Lab, Teaching with Technology

EDUCATION

Ph.D. Psychology, *Yale University, New Haven, CT*	**2021**
M.Phil. Psychology, *Yale University, New Haven, CT*	**2020**
M.S. Psychology, *Yale University, New Haven, CT*	**2019**
B.S. Ecology & Evolutionary Biology & Ecology, *University of Rochester, Rochester, NY*	**2015**
B.A. English, *University of Rochester, Rochester, NY*	**2015**