

# KELLY RICHARDS

## DATA SCIENTIST • DATA STRATEGIST

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### EXPERIENCE

**Lead, Global Data Literacy & Culture • Global IT Project • Lonza**  
03/24 – Present

- Authored Lonza's Data Literacy Strategy.
- Leading the creation of an internal data literacy resource library.
- Leading the execution of the 2024 Annual Lonza Data Festival.

**Data Scientist • MSAT, Portsmouth, NH • Lonza**

Level III 06/23 – Present

Level II 09/21–06/23

Level I 10/19-09/21

- Authored Global documentation guiding Lonza's core usage of MVDA, from model development through to end-user interpretation.
- Leading a site Hoshin project to increase MVDA usage at site, including rolling out the technology to manufacturing suites.
- Developed model alignment strategy to deliver a cohesive end-product, while fostering internal professional skill development.
- Lead the Lonza MVDA Community Call to increase MVDA collaboration, skill, and alignment throughout the Lonza network.

**Database Admin. Specialist • MSAT, Portsmouth, NH • Lonza**

08/17 – 10/19

- Developed expertise in data management, data quality, data mining, SQL, Statistica, and Lonza's Global Data Mart (GDM).

### LEADERSHIP

**Global Data Culture & Literacy Workstream • Lonza**

Core Member • 2021 to Present

Collaborate globally to foster a strong, strategic data culture.

**Site Data Strategy Team • Lonza**

Core Member • 2023 to Present

- Co-created a vision for the future of data at Lonza Portsmouth.
- Led a workshop on the keys to successful transformation.

**Women Inspiring Leadership ERG • Lonza**

Co-Chair • 2023, 2024

Communication Lead • 2022

Professional Development Lead -- 2021

**MSAT Intern Program • Lonza**

Co-Chair • 2024

### EDUCATION

Syracuse University

**M.S. Applied Data Science**

Focus: Pipelines & Platforms

Tufts University

**M.S. Biology**

University of New Hampshire

**Honors B.S. Biology**

Focus: Behavior

### AWARDS

Finalist 'Rising Stars' Award 2023  
Women Leaders in Data and AI

### TECHNICAL SKILLS

- Multivariate Data Analysis
- Data Visualization • R • SQL
- SIMCA • SIMCA-online
- Statistica • Power BI • Seeq

### STRATEGIC SKILLS

- Communicating technical content to non-technical stakeholders
- Managing projects with a focus on achieving the true business objective
- Identifying opportunities for mutually-beneficial alignment

### KEY PRESENTATIONS

Umetrics Conference Talk

"How to Get Your User to Use What You Make" (2022). *Using behavioral science to increase user adoption*

University of New Hampshire

Guest Lecture

"Data Science in Biotech" (2022)

"Data Visualization & Ethics" (2022)

Tufts University Guest Lecture

"Data Visualization & Ethics" (2023)