

Yale School of Medicine

Center for Biomedical Data Science · Center for Medical Informatics ·
Harvey Cushing/John Hay Whitney Medical Library

Introduction to Biomedical Data Science and Health Informatics

June 8-12, 2020



Monday, June 8

Python for Data Science

Tuesday, June 9

Data Management

Databases

Wednesday, June 10

Data Cleaning

Data Visualization

Thursday, June 11

**Machine Learning and
Bioinformatics I**

**Machine Learning and
Bioinformatics II**

Friday, June 12

Text Mining and NLP

**Summative Activity Applying
Methods Learned**

Time: 9:00 to 12:00 Office Hours

1:00 p.m. to 5:00 p.m. Labs

Location: Zoom

Level: Beginner

Registration: \$100.00

Register here: <https://yale-biomedical-data-course-2020.eventbrite.com>

A one-week online summer course to offer basic biomedical data science knowledge and health informatics skills. Each day will consist of office hour, Q&A, and hands-on labs.

Course materials will be made available in advance.

Learning objectives:

- Understand a variety of software packages and select the appropriate methods to solve data problems in the clinical, health and biomedical domains.
- Apply the fundamentals of computing to integrate various sources of data and information uncertainty across clinical health and biomedical domains.
- Gain a familiarity with data science and informatics resources to develop individual and collaborative research at Yale.

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