

Machine Learning and Data Mining (PQHS 471)

Spring 2026 • Case Western Reserve University

Why Take This Course?

Learn core machine learning and data mining methods with hands-on practice on real biomedical and clinical datasets using Python.

Instructor: Abdus Sattar, PhD, LLM

Time & Place: Thursdays, 2:30–5:00 PM, Wood G-73

Term: January 12 – May 7, 2026

Email: sattar@case.edu

You will:

- Gain proficiency in supervised and unsupervised learning methods.
- Implement ML models in Python and evaluate performance.
- Apply methods to real biomedical and clinical data.

Who Should Enroll?

- Graduate students in Biostatistics, Epidemiology, Data Science, Computer Science, and related fields.
- Advanced undergraduates with strong quantitative background (with permission).

Register in SIS as PQHS 471 (3 credits).



**Learn to build,
Select, and Interpret
Machine Learning Models
using hands-on, for real-world datasets.**

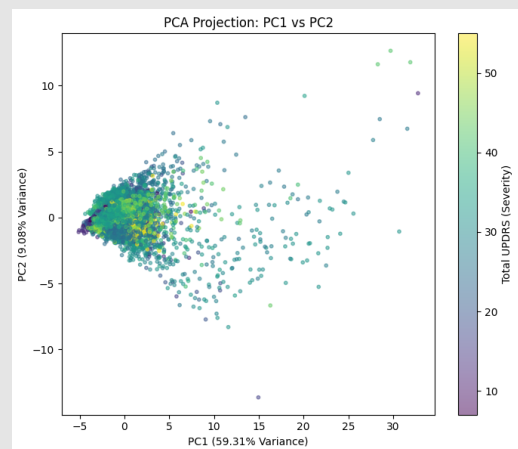


Figure: PCA Projection of Parkinson's Telemonitoring Data.



Questions? Contact Dr. Abdus Sattar • sattar@case.edu