# Keck School of Medicine of USC

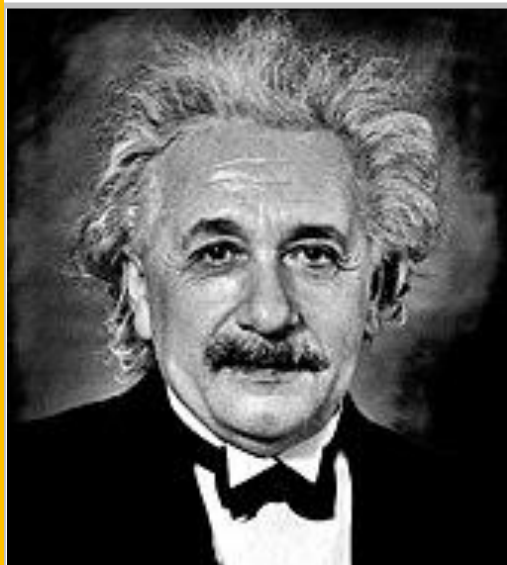## Department of Population and Public Health Sciences

**Division of Biostatistics**

# The "Happy Scientist" Workshop #23

# Introduction to Machine Learning and PyTorch: A Guide to Getting Started with AI



"Computers are incredibly fast, accurate, and stupid. Human beings are incredibly slow, inaccurate, and brilliant. Together they are powerful beyond imagination." - Albert Einstein

Albert Einstein (1879-1955) is often considered one of the most influential scientists of all time. He developed the theory of relativity and the mass-energy equivalence formula $E = mc^2$. (wikipedia.com)

This presentation introduces PyTorch and machine learning, illuminating the theoretical foundations and practical applications of these transformative technologies. It will provide an overview of deep learning's core concepts, then progress to an in-depth exploration of PyTorch, a leading machine learning library renowned for its flexibility, ease of use, and dynamic computation capabilities. Attendees will gain insights into PyTorch and machine learning's structure, usage and unique features.

**Presenter: Mingzhi Ye, Ph.D.**
**Biostatistician**

**Thursday, February 29th, 2024**
**12:00pm to 12:50pm**
**In-person: SSB Room 114**

**Zoom link**
Meeting ID: 925 4625 3986
Passcode: 709079