

Machine Learning for Prediction and Causal Analysis

WS

What

- *How does a Self-Driving Car learn to drive?*
 - *What is behind ChatGPT?*
 - *Can we predict Who Survived the Titanic Disaster?*
 - *Can we predict What Would Happen If We Change The World?*
1. Understand How Algorithms “Learn” From Our Data
 2. Make Algorithms Work in Practice: Learn how to code in R
 3. Bridge Prediction and Causality: Go beyond predicting outcomes and explore causal (“what if”) questions
 4. Real-World Applications: Policy evaluation and crime detection
 5. Enhance Your Communication Skills: Oral Presentation and Scientific Paper Writing (in groups)

Why Gain practical skills that are in high demand in today's competitive world

Syllabus



Who



Heiner Schumacher & Marica Valente