

COURSE CERTIFICATE

Nov 20, 2017

Michael Biesiada

has successfully completed

A Crash Course in Causality: Inferring Causal Effects from Observational Data

an online non-credit course authorized by University of Pennsylvania and offered through Coursera



Jason A. Roy, Ph.D. Professor of Biostatistics Center for Causal Inference

> Verify at: coursera.org/verify/WM2FZR4NMUDV

Coursera has confirmed the identity of this individual and their

participation in the course.
Participation in this online course does not constitute enrollment at the University of Pennsylvania. This certificate does not confer a University grade, course credit or degree, and it does not verify the identity of the