



07/03/2017

William Tong

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

A handwritten signature in black ink, appearing to read "JA Roy", written over a horizontal dotted line.

Jason A. Roy, Ph.D.
Associate Professor of Biostatistics
Department of Biostatistics, Epidemiology, and Informatics

**COURSE
CERTIFICATE**



Verify at coursera.org/verify/9FA88QYUXYRQ

Coursera has confirmed the identity of this individual and
their participation in the course.