



Mar 24, 2022

Caio Sain Vallio

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 blue ink, appearing to read "Ja Roy", written over a horizontal dotted line.

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

**COURSE
CERTIFICATE**



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