



Jan 27, 2022

João Felipe Guedes da Silva

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 dotted line.

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

COURSE
CERTIFICATE



Verify at coursera.org/verify/FDL8GWX7JKWW

Coursera has confirmed the identity of this individual and their
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