

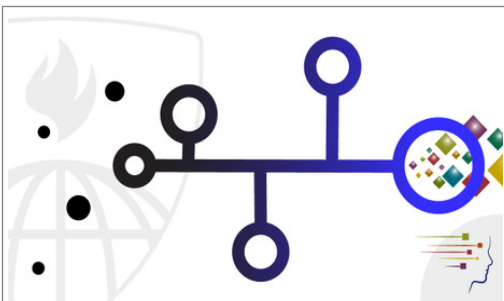
SEPTEMBER 08, 2014

# Statement of Accomplishment

WITH DISTINCTION

## PAVEL KRAUTSOU

HAS SUCCESSFULLY COMPLETED THE JOHNS HOPKINS UNIVERSITY'S OFFERING OF



### Getting and Cleaning Data

This course covers obtaining data from the web, APIs, databases, and colleagues in various formats, as well as the basics of cleaning and “tidying” data. It also covers the components of a complete data set: raw data, processing instructions, codebooks, & processed data.

A handwritten signature in black ink, appearing to read 'Jeffrey Leek'.

JEFFREY LEEK, PHD  
DEPARTMENT OF BIOSTATISTICS, JOHNS HOPKINS  
BLOOMBERG SCHOOL OF PUBLIC HEALTH

A handwritten signature in black ink, appearing to read 'Roger D. Peng'.

ROGER D. PENG, PHD  
DEPARTMENT OF BIOSTATISTICS, JOHNS HOPKINS  
BLOOMBERG SCHOOL OF PUBLIC HEALTH

A handwritten signature in black ink, appearing to read 'Brian Caffo'.

BRIAN CAFFO, PHD, MS  
DEPARTMENT OF BIOSTATISTICS, JOHNS HOPKINS  
BLOOMBERG SCHOOL OF PUBLIC HEALTH

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