

Data Science Week 2020

November 30th - December 4th

<https://sites.google.com/view/data-science-week-2020/home>

Wednesday 2nd December 2020 6:00pm KT216

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Making Sense of Noisy Data: Why and How?

Thanks to the advancement of modern technology in acquiring data, massive data with diverse features and big volume are becoming more accessible than ever. The impact of big data is significant. While the abundant volume of data presents great opportunities for researchers to extract useful information for new knowledge gain and sensible decision making, big data present great challenges. A very important, sometimes overlooked challenge is the quality and provenance of the data. Big data are not automatically useful; big data are often raw and involve considerable noise.

Typically, the challenges presented by noisy data with measurement error, missing observation and high dimensionality are particularly intriguing. Noisy data with these features arise ubiquitously from various fields including health sciences, epidemiological studies, environmental studies, survey research, economics, and so on. In this talk, I will discuss some issues induced from noisy data and how these features may challenge inferential procedures.



Virtual Presentation: <https://purdue.webex.com/meet/aselvite>

Data Science and Machine Learning Seminar Series || Data Science and COVID-19 Thematic Program 2020-2021

<https://sites.google.com/view/data-science-epidemiology> || <https://users.pfw.edu/aselvite/DSMLS/index.html>