



Interdisciplinary Data Sciences



* IDSC Seminar Series *
October 25, 2017 2:00p.m.-3:00pm
Location: ENB 313
Presents

<https://idscbigdata.com/>

Dr. Hongkun Wang

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Bioinformatics and Biomathematics in Georgetown University Medical Center,
Washington D.C.

Title: **ON QUALITY-ADJUSTED LIFETIME ANALYSIS**

Abstract: In clinical research, improving patients' quality of life has become increasingly important, especially in patients with chronic disease such as cancer, AIDS, or cardiovascular diseases. Quality-Adjusted Lifetime (QAL) is a measure which combines patients' quality and quantity of life together. In most clinical trials, patients enter the study over a period of time. Due to loss to follow-up and study termination, inference on the QAL has to be drawn based on censored data. In this talk, some statistical methods on the analysis of QAL will be introduced, with application to a clinical trial on breast cancer.

Biography: Dr. Hongkun Wang is currently an Associate Professor in the Department of Biostatistics, Bioinformatics and Biomathematics in Georgetown University Medical Center. Her research focuses on developing statistical methods in the study design and data analysis in the biomedical and biological research field. She has published research papers in the clinical trials, medical cost analysis, and quality-of-lifetime analysis.

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