

久留米大学バイオ統計センター公開講演会

下記要領にてバイオ統計講演会を開催します。講師のYoung Truong教授は、ノンパラメトリック非線形回帰分析、Functional MRIの画像解析などの分野で高名な世界第一人者の先生です。今回は、米国で急速に進展している、医学ビッグデータを解析するために必要な計算機環境や、その使い方、人材育成についての講演です。講演は英語（通訳なし）で行われます。事前受付不要、入場無料です。皆様万障繰り合わせの上、奮ってご参加ください。

日時: 2019年4月8日(月) 17:30-19:00

場所: 久留米大学医学部 基礎3号館 1階 セミナー室

<https://www.kurume-u.ac.jp/soshiki/3/asahimachi-campus.html>

講師: Prof. Young K. Truong (Univ of North Carolina at Chapel Hill)

演題: Computational Tools for Medical Data Science.

The field of Biostatistics has been the core for data analysis in every medical research. Its scope has covered small datasets based solely on phenotypic information to large genomic and neural imaging data. A major tool responsible for this development is R which is built upon statistical principles and methodology. Its success has generated a great interest for integrating other programming languages such as MATLAB, Python and recently Julia. In this talk, I will give a survey on how a data scientist analyze data from a medical perspective. This talk will present how to set up your personal computing environment for use with these languages, invoke notebook to keep track of the workflow for reporting results, illustrate effectively your statistical data analyses, advance your research through software and methodology development. Examples will be taken from my own research areas such as metabolomics and human brain research. In particular, machine learning tools (decision trees, random forests, support vector machine) will be demonstrated thru R, Python and Julia using neural imaging data.



お問合せ先: バイオ統計センター轟木 内線3483 TEL 0942-31-7835(直通)