

Microbiome, Health and Data Science: Current applications and future prospects

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Abstract

It's a known fact that humans are not made entirely of human cells, as your cells are outnumbered by a multitude of microorganisms living inside you in a symbiotic state, the so-called microbiome. The microbiome is an interesting and complex data science problem, a single project can generate terabytes of data, requiring the expertise of data scientists and powerful computers for data processing and data analysis. Although complex, unlocking the potential of the microbiome for Health, biotechnology and Agritech can change the world forever for the better.

Speaker Biography

Dr. Bruno Gabriel Nascimento Andrade is a data scientist with a career focused on biological dataset, with experience with both Public Health and Agritech fields. In order to continue this research line, he is currently working on his post-doctoral research, whose subject is the characterization and association of microbiome data with host phenotypes, using machine learning models.

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