

After attending the 3-d statistical course, I have gained a comprehensive understanding of compositional data analysis, including the concept, the implication area and statistical process. I had the opportunity to practice the analysis using my own data and got feedback from the expert. This helped me thoroughly handle this complex analysis.

The benefits of gaining this statistical skill are substantial. First, this is the key part of my proposed project and will ensure I complete the project in a high standard using the state-of-the-art analysis. Second, this statistical method opens a door to a broad research area as compositional data exist in many areas, such as diet. This will allow me to re-examine the existing data that could not be done by traditional analysis, which will lead to new findings to inform clinical practice. Third, this event gave me the opportunity to establish the collaboration with researchers from University of South Australia. This will help me in the future work involving compositional data analysis.