

FLORIDA STATE UNIVERSITY
COLLEGE OF ARTS AND SCIENCES

DIFFERENTIALLY PRIVATE METHODS FOR COMPOSITIONAL DATA

By
QI GUO

A Dissertation submitted to the
Department of Statistics
in partial fulfillment of the
requirements for the degree of
Doctor of Philosophy

2023

Copyright © 2023 Qi Guo. All Rights Reserved.

Qi Guo defended this dissertation on April 6, 2023.

The members of the supervisory committee were:

Andrés F. Barrientos
Professor Directing Thesis

Hongyu Miao
University Representative

Xufeng Niu
Committee Member

Chao Huang
Committee Member

The Graduate School has verified and approved the above-named committee members, and certifies that the dissertation has been approved in accordance with university requirements.