## FLORIDA STATE UNIVERSITY COLLEGE OF ARTS AND SCIENCES

## STATISTICAL METHODS FOR ASSESSING PUBLICATION BIAS AND HETEROGENEITY $\qquad \qquad \text{IN META-ANALYSIS}$

By

LINYU SHI

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

2022

| Linyu Shi defended this dissertation on February 24, 2022.  The members of the supervisory committee were:   |   |
|--|---|
|  |   |
|  | Lifeng Lin Professor Directing Dissertation |
|  | Yanchang Wang University Representative     |
|  | Elizabeth Slate<br>Committee Member         |
|  | Jonathan Bradley 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. |   |