

FLORIDA STATE UNIVERSITY  
COLLEGE OF ARTS AND SCIENCES

EXTRINSIC ANALYSIS OF MANIFOLD VALUED DATA

By  
HWIYOUNG LEE

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

2021

Hwiyoung Lee defended this dissertation on March 31, 2021.  
The members of the supervisory committee were:

Vic Patrangenaru  
Professor Directing Dissertation

Petru Andrei  
University Representative

Chao Huang  
Committee Member

Andres Felipe Barrientos  
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.