



昆山杜克大学
DUKE KUNSHAN
UNIVERSITY™

Certificate of Appreciation

is hereby presented to

衷心感谢

DATA SCIENCE

The field of Interdisciplinary Data Science (IDS) deals with the theories, methodologies and tools of applying statistical concepts and computational techniques to various data analysis problems related to science, engineering, medicine, business, etc. The objective is to inspect, clean, transform and model data in order to discover useful information, suggest conclusions and support decision-making. It is an emerging topic that plays a critical role in almost every discipline of today's science and technology and has become an indispensable component.

Interdisciplinary data science is a highly interdisciplinary field. Its methodologies are mostly derived from statistics theories. The computational algorithms for implementing these statistical methodologies are based upon numerical computation and optimization, and are often executed on a large-scale hardware platform composed of massive computing units and storage devices. When applying data analysis to a specific application problem, it further requires