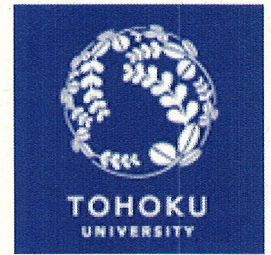




Memorandum of Agreement



The Department of Economics, National Chengchi University and the Center for Data Science and Service Research (DSSR) of the Graduate School of Economics and Management, Tohoku University hereby agree to undertake research collaboration for developing mutual, beneficial, and productive research activities in the field of data science and service research, including the following activities:

1. Both organizations agree to promote joint research projects.
2. Each organization may accept research fellows for the promotion of joint research and related activities, at no cost to the organization hosting the visitors.
3. This agreement will be effective for five years from the date of signing.

Department of Economics
National Chengchi University

Yungho Weng
Chairman

Date: August 29, 2016

Center for Data Science
and Service Research,
Graduate School of Economics
and Management,
Tohoku University

Nobuhiko Terui
Director

Date: August 23, 2016