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Hung-Hao Chang received his Ph.D. in Agricultural Economics from Cornell University in 2006. His research focuses on the evaluation of agricultural policy, farm household economics, food consumption and agribusiness. He is currently the editor or associate editor for several international journals. Since 2006, he has published more than 90 articles in leading journals in agricultural and environmental economics, including American Journal of Agricultural Economics, European Review of Agricultural Economics, Food Policy, and Ecological Economics etc.

Title

How to Use Big Data to Reduce Environmental and Health Risk? A Case Sharing of Chinese Taipei

Summary [max 6 lines]

Big Data and Artificial Intelligence have been applied to many areas. Very recently, the Council of Agriculture has established the Big Data databank for agriculture. It combines survey data of farm households and farms, GIS data for geographic characteristics, and weather and climate data etc. This presentation will give an overview of the recent progress in the Big Data databank of agriculture in Chinese Taipei. I will also share successful applications that use big data and machine learning method to reduce environmental and health risks.