

Graduate Institute of Sustainability Management and Environmental Education

Interdisciplinary Studies on Sustainable Development

My research interest mainly focuses on sustainable development-related management, policies, and education. With SD as the vision and framework, my research topics include corporate sustainability, ESG, climate change education, environmental systems analysis, environmental economics, environmental communication, and circular economy.

Techniques used in the study

Systems analysis techniques include optimization, simulation, risk analysis, economic models, statistical analysis, context analysis, and other computational modules.

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Background:

Ph.D. in Water Resources and Environmental Systems
Cornell University, Ithaca, NY, USA

Funding:

National Science & Technology Council
Ministry of Education
Environmental Protection Administration

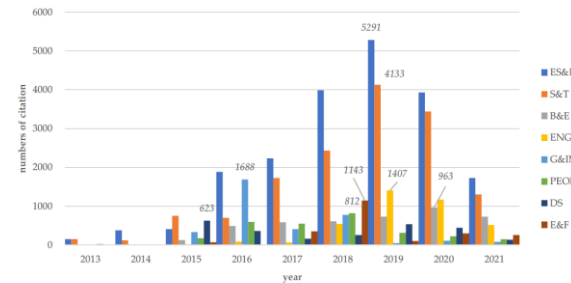


Figure 2. The number and trends of citations in the top eight fields and the number in the top year for each field.

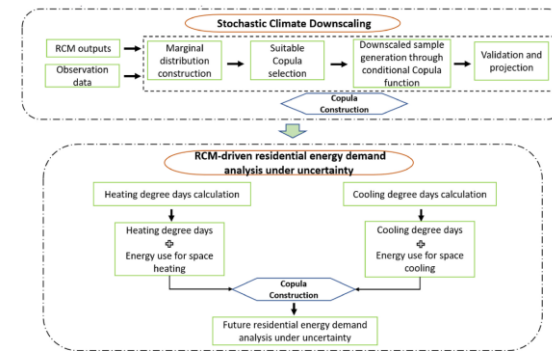


Fig. 2. Schematic diagram of the stochastic RCM-driven residential energy demand analysis approach.

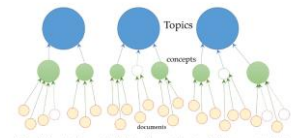


Figure 1. Schematic diagram of the Multi-stage Document Clustering (MDOC) process with HAC techniques.



Figure 3. These may deconstructing the nature and relative sizes of the clusters and groups, as well as the distances between them.

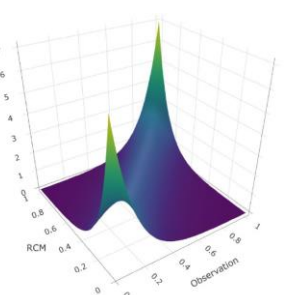


Fig. 3. Probability density function and cumulative distribution function of constructed Frank copula.

Publications

- Yeh, S. C., & Li, H. Y. (2022). Developing a Sustainable Development-Oriented Picture Book Selection System Through Employing the Modified Delphi Method. *Journal of Baltic Science Education*, 21(6).
- Yeh, S. C., Hsieh, Y. L., Yu, H. C., & Tseng, Y. H. (2022). The trends and content of research related to the Sustainable Development Goals: a systemic review. *Applied Sciences*, 12(13), 6820.
- Tian, C., Huang, G., Piwowar, J. M., Yeh, S. C., Lu, C., Duan, R., & Ren, J. (2022). Stochastic RCM-driven cooling and heating energy demand analysis for residential building. *Renewable and Sustainable Energy Reviews*, 153, 111764.
- 葉欣誠、于仁壽、謝佳雯(2022)。海峽兩岸民眾對新冠疫情的樂觀偏誤、風險識覺與因應作為之前導研究。 *中國大陸研究*，65(2), 1-44

