Yoon, Semee; Yonsei University
yoonsemee@yonsei.ac.kr
Authors: Keeheon Lee, Yonsei University
Title: Research for UN 2030 Development Agenda: Understanding where We Stand for SDGs Implementation through Text Mining

Under the UN 2030 Agenda for Sustainable Development, the global community has set admirable goals and overall direction as to which type of development we want to pursue for future generations. Thanks to the Millennium Development Goals, which highlighted the importance of health systems to alleviate poverty in developing countries, we have observed noteworthy improvements in health outcomes. And yet, the latest report on the progress of development indicates that there are still more than 600 million people living in extreme poverty. While there has been a growing literature of impact evaluation of development projects and programs, there is comparatively less evidence about the extent to which academia plays a role in the implementation of Sustainable Development Goals (SDGs). Using databases offer an opportunity but also pose challenge in terms of how to find patterns and extract information; thus, we use text mining techniques to effectively canvass peer-reviewed research in recent years to understand how academia has been processing the UN 2030 Agenda for Sustainable Development. In the first phase, we create a dataset of journal articles in Web of Science and Scopus that are directly or indirectly covering SDGs. Using this dataset, we then conduct a systematic review of research to analyze the scope, depth and scale to which SDGs have been covered in different disciplines, institutions, and countries. Through this review, we run regression analysis to explore research trends about the UN 2030 Agenda. Findings from this research can be considered to find the missing gaps in research for SDGs and may direct future research areas to be further explored to advance the implementation of SDGs to end poverty.