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수상
Best Presentation Award, 2021 Spring Conference of Korean Thyroid Association, 2021
Best Ph.D. Thesis Award, Department of Industrial and Management Engineering, POSTECH, 2020
Best Paper, JSTP for the 2018 Literati Awards for Excellence, 2019
Best Presentation Award, 2018 Fall Conference of Korean Society of Quality Management, 2018
Highly Commended Award, International Research Symposium in Service Management, 2017
Best Student Paper Award,
International Research Conference on Systems Engineering and Management Science 2017, 2017
Best Paper Award, SERVISIG, 2016

대표연구

• Risky Driving Score
  – Collect driving records from buses via real time sensors
  – Apply a machine learning model to the driving records to calculate risky driving score
  – Validate the score based on how well it classified whether real bus driving is risky or not
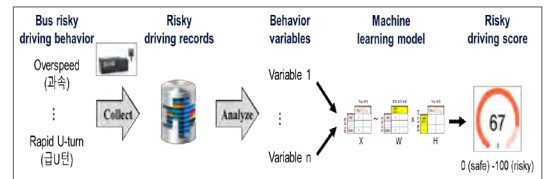

• Health Management Score
  – Collect lifelogs from college students via smart devices
  – Estimate a health management score with the lifelogs
  – Validate the score based on an experiment where potential users used it and then evaluated its usefulness
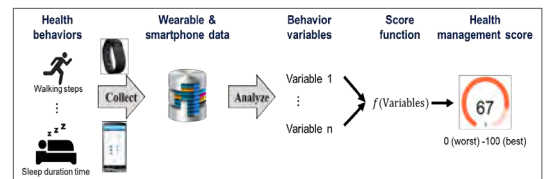
• Missing Data Handling Method
  – Survey applicable methods for handling missing data in lifelogs collected from smart devices
  – Compare the performance of the methods with lifelogs
  – Identify the most suitable method
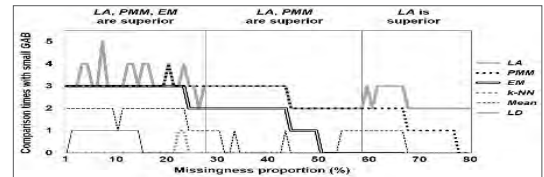
주요 연구실적

• Missing-data Handling Methods for Lifelogs-Based Wellness Index Estimation: Comparative Analysis with Panel Data, JMIR Medical Informatics, Vol. 8, No. 12, e20597, 2020.

• Identification of Critical Quality Dimensions for Continuance Intention in mHealth Services: Case Study of Onecare Service, International Journal of Information Management, Vol. 46, 187-197, 2019.

• Development of a Lifelogs-based Daily Wellness Score to Advance a Smart Wellness Service, Service Science, Vol. 10, No. 4, 408-422, 2018.

• From Data to Value: A Nine-factor Framework for Data-based Value Creation in Information-intensive Services," International Journal of Information Management, Vol. 39, 121-135, 2018.

• Multi-Factor Service Design: Identification and Consideration of Multiple Factors of the Service in its Design Process," Service Business, Vol. 13, No. 1, 51-74, 2019.

주요 연구과제

• 센서 데이터 기반 사람 행동 최적화를 위한 서비스 개발 방법론, 한국연구재단, 2년, 총 2억(센서 데이터, 최적화, 서비스 개발)

• 많은 전문가들은 인공지능을 왜 여전히 수용하지 못하는가? 전문가용 인공지능 서비스의 품질 평가 체계 개발, 한국연구재단, 2년, 총 2.5억 (인공지능 서비스, 서비스 품질, 품질 평가)