**Keon Vin Park(PhD student)**

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# Personal Data

1. Birth: 16th April, 1993, in Republic of Korea
2. Nationality: Korean
3. Family Status: Single
4. Language: First language Korean, Fluent in English(**NEW TEPS 478/600 or 93.15%**), Python, R, SAS

# Education

Sep. 2020 ~ **Seoul National University , Seoul, Korea**

Current Department of Statistics

Advisor: Prof. Taesung Park

*Ph.D. program in Statistics*

Sep. 2018 ~ **Korea University , Seoul, Korea**

Aug. 2020 Department of Industrial Management Engineering

Advisor: Prof. Sung Won Han

*Master of Science in Industrial Management Engineering(4.39/4.5)*

Mar. 2013 ~ **Dongguk University , Seoul, Korea**

Aug. 2017 Department of Statistics

Advisor: Prof. Yung-Seop Lee

*Bachelor of Science in Statistics(3.49/4.5)*

# Research Interest

1. **Biostatistics**
2. Survival Analysis, Probabilistic Graphical Modeling with application to biomedical data
3. Gene data analysis (ex. TCGA data)
4. Machine Learning / Deep Leaning applied to biomedical data

# Papers

1. "Machine Learning Models for Prediction of Hearing Prognosis in Unilateral Idiopathic Sudden Sensorineural Hearing Loss" **Clinical and Experimental Otorhinolaryngology** (**SCIE**, **IF: 1.650, H index 24, Q2,** **First author**)

**- Published(2020.5) / doi:** [**https://doi.org/10.21053/ceo.2019.01858**](https://doi.org/10.21053/ceo.2019.01858)

1. “Endometriosis Is Associated with Adverse Pregnancy Outcomes: a National Population-Based Study” **Reproductive Sciences** (**SCI**, **IF: 2.559**, **H index 73, Q2, Co-author**)

**- Published(2020.1.17) / doi:** [**https://doi.org/10.1007/s43032-019-00109-1**](https://doi.org/10.1007/s43032-019-00109-1)

1. “Development of the WEEE grouping system in South Korea using the hierarchical and non-hierarchical clustering algorithms” **Resources, Conservation and Recycling** (**SCI**, **IF: 8.086**, **H index 119, Q1**, **Second author**)

**- Published(2020.10.1) / doi:** [**https://doi.org/10.1016/j.resconrec.2020.104884**](https://doi.org/10.1016/j.resconrec.2020.104884)

1. “Peripartum blood transfusions are associated with increased risk of cancer: a national retrospective cohort study” **Clinical Epidemiology(SCIE, IF: 3.178, H index 54, Q2, Co-author)**

* **Published(2020.6.19) / doi:** [**https://doi.org/10.2147/CLEP.S244443**](https://doi.org/10.2147/CLEP.S244443)

1. “Paradoxical long-term impact of maternal influenza infection on neonates and infants**” BMC Infectious Diseases (SCIE, IF: 2.580, H index 96, Q1, Second Author)”**

* **Published(2020.7.14) / doi:** [**https://doi.org/10.1186/s12879-020-05236-8**](https://doi.org/10.1186/s12879-020-05236-8)

1. “Comparisons of Community Detection and Clustering in Stock Market Classifications**” Korean Institute of Industrial Engineers(KCI, First Author)”**

* **Accepted(2020.7.8)**

# Working Papers

1. “Risk of early childhood obesity in offspring of women with preeclampsia: a population based study” **Journal of Developmental Origins of Health and Disease** **(SCIE, IF:2.34, H index 29, Q1, Co-author)**

* **Submitted, Awaiting Reviewer Assignment (2020.5.23)**

1. “Evaluation of the level of WEEE recycling technology using Delphi method” **Sustainability (SCIE & SSCI, IF:2.576, H index 68, Q2, First Author)**

* **To be submitted**

# Domestic Conferences

**2019 추계 한국데이터마이닝학회 발표 (11월29일)**

**- Title: Comparisons of Community Detection and Clustering in Stock Market Classifications**

# Teaching Experiences-

1. Department of Industrial Management Engineering, Korea University, Seoul
2. Applied Statistics & Lab(Undergraduate course) , TA , **Fall 2019~Dec 2019**

Teach basics of statistics and make presentations of data analysis using SAS

1. Department of Industrial Management Engineering, Korea University, Seoul
2. Mathematical Statistics & Lab(Undergraduate course) , TA , **Mar 2020~June 2020**

Teach basics of data analysis using R

1. SK Hynix
2. SK하이닉스 Data분석 전문가 과정 , TA , **July 2018, May 2019(Two times)**

SAS JMP를 활용한 데이터 분석 실습 및 설명

1. LG INNOTEK
2. 데이터 분석 전문가 육성 프로그램 –중급 교육과정 이론 1차, TA, **Fall 2019**

R을 활용한 데이터 분석 실습 및 설명

# Projects

1. 흡연과 임신성 고혈압과의 연관성 및 arylhydrocarbon receptor의 역할 규명 (고려대학교 구로병원 산부인과 교수님과 같이 한, **보험공단** 논문과 관련)
2. 해양 환경 규제 극복을 위한 선박의 효율적 운항 알고리즘 개발 (**머신러닝** 프로젝트)
3. 클레임 데이터 기반 고장발생예측 기술 개발 (**현대자동차** 프로젝트, **생존분석** 프로젝트)
4. 코로나 임상연구 (2020.7.17~올해 말)