

31 January 2020

Curriculum Vitae

Jimin Choi, PhD

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Managing Director,
ACE Statistical Consulting
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Busan 612-020, Korea
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Adjunct Professor,
Department of Management Information & Science
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Education

Visiting scholar in Biostatistics

July-August 2019 Biostatistics core group, The H.Lee Moffitt Cancer Center & Research Institute, Tampa, FL, USA

Post-doctoral fellow in Biostatistics

August 2007-July 2008 Biostatistics core group, The H.Lee Moffitt Cancer Center & Research Institute, Tampa, FL, USA

Ph.D. in Statistics

February 2007 Pusan National University, Pusan, South Korea
Thesis: On the Analysis of Microarray Data with Survival Time

M.S. in Statistics

February 2003 Pusan National University, Pusan, South Korea

Thesis: A Skewing Method in Kernel Density Estimation

B.A. in Applied Statistics

February 2001 Dong-A University, Pusan, South Korea

Working experiences

Managing Director

January 2012-present ACE Statistical Consulting, Busan, KOREA

Adjunct Professor

March 2010-present Department of Information Management Systems, Dong-A University, Busan, KOREA

Senior biostatistician

August 2009-November 2011 Clinical Trials Center, Dong-A University Hospital, Busan, KOREA

PhD biostatistician

August 2008-June 2009 Centre for Biostatistics & Clinical Trials, Peter MacCallum Cancer Centre, Melbourne, AUSTRALIA

Selection of enterprise support project

2018 selection of financial support for education program, Busan TP(Technopark)

On Issues on Medical Big Data Analysis & Medical Image AI(Artificial Intelligence)

의료 빅데이터 분석과 의료 인공지능에 대한 이해 교육과정 개최

2018 selection of company with professional scientific and technical services, Busan Small and Medium Business Administration

여성기업 (전문, 과학 및 기술 서비스업) 선정 (부산지방중소기업벤처기업청)

2018 selection of financial and technical support project for small and medium business, Busan Economic Promotion Agency

Publications or Submitted Manuscripts

Choi J, Yoon M, Son M, and Kim R (2013) Systematic Review on Determination of Non-inferiority Margin in Non-inferior Clinical Trials and Meta Analysis, *Journal of the Korean Data Analysis Society*, 15(3), 1303-1316.

Lee J, **Choi J**, Kwon K, Lee S, Oh S, Kwon H-C, Kim H-J, Han J Y, and Kim S-H (2010) Fludarabine-based myeloablative regimen as pretransplant conditioning therapy in adult acute leukemia/ myelodysplastic syndrome: comparison with oral or intravenous busulfan with cyclophosphamide, *Korean Journal of Hematology*, 45(2): 102-108.

Kim S, Han J, Kwan H, Oh S, Lee S, **Choi J**, Kwan K, Lee J, and Ko M (2010) Improvement of the WHO classification-based prognostic scoring system (WPSS) by including age for Korean patients with the myelodysplastic syndrome, *Leukemia Research*, Volume 34, Issue 12, Pages 1589-1595.

Danny Rischin, Richard Young, Richard Fisher, Stephen Fox, Quynh Le, Lester J Peters, **Jimin Choi**, Brian O'Sullivan, Lizbeth Kenny, Grant McArthur (2010) Prognostic significance of p16INK4A and HPV in patients with oropharyngeal cancer treated on TROG 02.02 phase III trial, *Journal of Clinical Oncology*, Vol 28, no. 27, 4142-4148.

Danny Rischin, MD, Kailash Narayan, MD, Amit M.Oza, MD, Linda Mileskin, MD, David Bernshaw, MBBS, **Jimin Choi**, PhD, Rodney Hicks, MD, Bev McClure, Anthony Fyles, MD (2010) A phase I study of tirapazamine in combination with radiation and weekly cisplatin in patients with locally advanced cervical cancer, *International Journal of Gynecological Cancer* (impact factor: 2.18). 20(5):827-833.

Quinn G, Vadaparampil S, Wilson D, King L, DeJoy S, **Choi J**, Miree C, Raj O, Watson J, Friedman S (2009) High Risk Women's Attitudes Toward Preimplantation Genetic Diagnosis, *Fertility & Sterility*, Vol. 91, No. 6, 2361-2368.

Choi J (2009) A Simple Method of Predicting Survival Time using Gene Expression Profiles, *Journal of the Korean Data Analysis Society*, Vol. 11, No. 4 (B), 1809-1818.

Moulder S, M.D., M.S.C.I., Valkov N, M.D., PhD, Neuger A, MS, **Choi J**, PhD, Lee J-H, DrPH, Minton S, D.O., Munster P, M.D., Horton J, M.D., Gump J, Lacevic M, M.D., Lush R, PhD, Sullivan D, M.D. (2008) A Single Arm Phase II Study of Gemcitabine and Irinotecan in Patients with Metastatic Breast Cancer with Correlative Studies to Determine the Role of Topoisomerase Localization as a Predictor of Response to Topoisomerase

Inhibitors, *Cancer*, Vol. 113, Issue 10, 2646-2654.

Yang M, **Choi J**, and Kim C (2007) Some Results on the Log-linear Regression Diagnostics, *The Korean Communications in Statistics*, Vol. 14, No. 2 , 1-11.

Choi J (2007) Analysis of Variables Affecting Survival Time using Microarray Data, *Journal of the Korean Data Analysis Society*, Vol. 9, No. 2, 577-584.

Presentations

- 2012 July **Choi J**, Yoon M, Son M, and Kim R, Systematic review on non-inferiority clinical trials, Australian Statistical Conference, Adelaide, Australia
- 2011 April **Choi J**, Probability of early stopping using binomial distribution, Korean Data Analysis Conference, Busan, Korea
- 2010 June **Choi J**, Influential observations on Mallow's Cp, International Conference on Robust Statistics, Prague, Czech republic
- 2009 January D.Rischin, R. Young, R. Fisher, S. Fox, Q. Le, L. Peters, **J Choi**, B. O'Sullivan, J. Giralt, G. McArthur (2009) Prognostic significance of HPV and p16 status in patients with oropharyngeal cancer treated on a large international phase III trial, American Society of Clinical Oncology 2009
- 2008 March **Choi J**, Fulp J, Sullivan D, and Kim C (2008) A Simple Method in Predicting Survival Time of Gene Expression Profiles, Eastern North American Region/International Biometric Society, Virginia, USA
- 2007 October Rollison DE, Helzlsouer KJ, Hoffman S, Lee J, Fulp W, **Choi J**, Tada H, Giuliano AR, Viscidi RA, Nested case-control study of JC virus infection and incident colorectal cancer. IV International Conference on Polyomaviruses and Human Diseases, Barcelona, Spain
- 2007 September **Choi J** (2007) Introduction of Laplacian Clustering Method, Biostatistics core group, MOFFITT Cancer Center & Research Institute, Tampa, USA
- 2007 March **Choi J**, Kang M, and Kim C (2006) Prediction of Survival Time using Microarray Data, Eastern North American Region/International Biometric Society, Atlanta, USA

- 2006 December **Choi J** (2006) On the Analysis of Microarray Data with Survival Time, BioInfoSummer2006 ICE-EM Summer Symposium in Bioinformatics, Canberra, Australia
- 2006 March Kim C, **Choi J**, and Kim M (2006), A Background Correction Method for Microarray Spots by the Kernel Density Estimation, 7th German Open Conference on Probability and Statistics, Frankfurt, Germany
- 2005 April Kim C, **Choi J**, and Lee J (2005), Classification of Microarray Data with Survival Time, 55th Session of the International Statistical Institute (ISI), Sydney, Australia

Research Experience

2019-present 동아대병원 통계자문업체 계약체결 후 연구지원

2017-present 인제대학교 해운대백병원 통계자문업체 계약체결 후 연구지원

2013-2015 Occupational Safety and Health Research Institute

On issues on reporting risk of COPD for shipyard welding workers (3-year cohort study)

용접작업자 건강영향 추적연구(3년 코호트 조사),
산업안전보건연구원

2011-2013 [Korea Research Foundation (KRF-2012-0004147)]

On issues on reporting non-inferiority trials and determining non-inferiority margin based on systematic review

2009-2011 Senior Biostatistician, Clinical Trials Center, Dong-A University Hospital

2008-2009 PhD Biostatistician, Peter MacCallum Cancer Center

- 1) TROG trials
- 2) ALLG trials

2007 - 2008 Post Doctoral Fellowship, Moffitt Cancer Center & Research Institute [Korean Research Foundation (KRF-2007-357-C00012)]

- 1) A Single Arm Phase 2 Study of Gemcitabine and Irinotecan in Patients with Metastatic Breast Cancer
- 2) Attitudes Toward the use of PGD for BRCA1/2 Mutations Among Concerned Women

3) Relationship between infection with JC virus and CRC

- 2007** **Member of Statistical Research Institute, Pusan National University**
- 2003 – 2007** **Korea Research Foundation-Advanced Basic Research Lab (ABRL),
Research Assistant**
Microarray data analysis, protein structure, functional genomics,
genetic analysis
- 2001 - 2007** **Department of Statistics, Pusan National University, Statistical
Consultant**
Consulting statistical analysis sections in papers of dozens of clients
- 2005** **Pusan National University Hospital, Data Analyst**
Evaluation of Classification and Development of Health Care Policy for
the Physically Disabled with Organic Diseases, Inequality on Medical
Service Utilization among Cancer Patients across Income Groups
- 2002** **Korea Science and Engineering Foundation, Research Assistant**
Nonparametric estimation of hazard function using the Kaplan-Meier
estimator

Honors and Awards

- 2019** **직접생산확인증명서 발급 (제품명:데이터서비스(빅데이터분석서비스))**
- 2019** **직접생산확인증명서 발급 (제품명:소프트웨어엔지니어링업)**
- 2011 - 2013** **Scholarship for Basic Science Research Program, Korean Research
Foundation (KRF-2012-0004147)**
- 2008 July Scholarship for attending Asian Institute in Statistical Genetics and
Genomics, Sponsorship: DNA Link, SeouLin BioScience, Bioneer, Macrogen
- 2008 March Chairperson at ENAR conference
- 2007 - 2008** **Scholarship for post-doctoral fellowship, Korean Research Foundation
(KRF-2007-357-C00012)**
- 2006 ICE-EM scholarship, BioInfoSummer2006 ICE-EM Summer Symposium in
Bioinformatics

2001 Top Seat Award (4.37/4.50), Dong-A University

1997 - 2000 Scholarship for Excellent Student, Dong-A University, South Korea

Teaching Experience

2020. 04. 03 Lecturer, 「**2020년 의학통계교육(심화과정)**」, 부산대학교병원
Course title: 반복측정자료의 분석 (delayed)

2020. 03. 20 Lecturer, 「**SPSS를 이용한 의학통계분석(초급/중급)**」, 부산대학교병원
Course title: 연속형 변수의 비교 I, II (delayed)

2020. 02. 21 Lecturer, **동의대학교 대학원 간호학과**
Course title: 2020년 동의대학교 대학원 간호통계 세미나

2020. 02. 15 Lecturer, 「**임상의를 위한 통계강좌**」, 동아대병원 (delayed)

2019. 03. 15 Lecturer, 「**SPSS를 이용한 의학통계분석(초급.중급)**」, 부산대학교병원
Course title: 생존분석

2019. 01. 03 Lecturer, **동서대학교 간호학과 통계 세미나**
Course title: 척도개발 시 타당도 및 신뢰도

2018. 12. 04 Lecture, **동의대학교 대학원 간호학과**
Course title: 간호통계분석

2018. 11. 29 Lecture, **동아대학교 의학 통계 초청강좌**
Course title: 연구대상수 산출 및 검정력 계산, 메타분석

2018 Novembe Lecture, 「**의료 빅데이터 분석&의료영상 인공지능에 대한 이해**」,
에이스통계컨설팅
Course title: 의학통계 기본개념 및 전반적 이해, 연구대상수 산출

2018. 04. 06 Lecture, 「**2018년 제 6회 SPSS를 이용한 의학통계분석(초급/중급)**」,
부산대학교병원
Course title: 연속형 변수의 비교

2017. April Lecture, 「**2017년 제 5회 SPSS를 이용한 의학통계분석(초급/중급)**」,
부산대학교병원
Course title: 두 집단 비교, 세 집단 비교

- 2012-2014 Part-time lecturer, Pusan National University
Course title: Introductory Statistics (undergraduate level)
- 2010-present Adjunct professor, Department of Information Management Systems,
Dong-A University
Course title: statistics in management, Data analysis
- 2008-2011 Lecturer in Biostatistics in Dong-A University Hospital (동아대병원 내부
통계강좌 직접구성 및 운영)
- 2008 June Invited Lecturer in Survival Analysis Application in Cancer Research: Gene
Expression Microarray Analysis, University of South Florida, Tampa, USA
Course title: Design and Conduct of Clinical Trials
- 2008 Teaching Assistant in SAS help session for graduate students at
Department of Epidemiology and Biostatistics, University of South Florida
Course title: Design and Conduct of Clinical Trials
- 2006 - 2007 Lecturer, Pukyung National University
Course title: Elementary Statistics
- 2005 - 2007 Lecturer, Pusan National University
Course title: Introductory Statistics (undergraduate level)
Survival Analysis
- 2003 - 2007 Lecturer, Dong-A University
Course title: Elementary Statistics
Statistics in Management
Statistical Methods
SAS programming
SPSS – data analysis and application
- 2002 – 2005 Teaching Assistant, Department of Statistics, Pusan National University
Course title: Categorical Data Analysis-Application and Interpretation of SAS
- 2003 summer Teaching Assistant, SAS workshop, Pusan National University

Computer Skills

Statistical software: SAS, SPSS, S-plus, R, StatXact, PASS, PS, EAST, nQuery
Advisor, Python, Tableau etc

Text formatting: LaTeX, Microsoft Word, Excel and PowerPoint etc

Research interests

Nonparametric density estimation (kernel method)
Survival analysis
Longitudinal data analysis
Microarray analysis
Machine learning

Membership

Eastern North American Region (ENAR)
Korean Data Analysis Society (KDAS)
International Biometric Society (IBS)

References

Choong-Rak Kim, Ph.D.

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Pusan National University
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E-mail: crkim@pusan.ac.kr

Seong-Yeon Kim, Ph.D.

Professor
Division of Management Information System
Dong-A University, 604-714
Pusan, South Korea
Phone: 82-51-200-7467
Fax: 82-51-200-7481
E-mail : kimsy@dau.ac.kr

Chi-Myeong Kwon, Ph.D.

Professor
Division of Management Information System
Dong-A University, 604-714
Pusan, South Korea
Phone: 82-51-200-7468
Fax: 82-51-200-7481
E-mail : cmkwon@dau.ac.kr