

**31 January 2020**

## **Curriculum Vitae**

**Jimin Choi, PhD**

### **Address**

Managing Director,  
ACE Statistical Consulting  
703, Woo-dong 1460, Haeundae-gu,  
Busan 612-020, Korea  
&  
Adjunct Professor,  
Department of Management Information & Science  
Dong-A University  
Bumin-dong, Seo-gu,  
Busan 602-714, Korea

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Fax: 82-51-746-5406 (Office)

### **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 Mileschkin, 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      | <b>Choi J</b> , Yoon M, Son M, and Kim R, Systematic review on non-inferiority clinical trials, Australian Statistical Conference, Adelaide, Australia                                                                                                                                                  |
| 2011 April     | <b>Choi J</b> , Probability of early stopping using binomial distribution, Korean Data Analysis Conference, Busan, Korea                                                                                                                                                                                |
| 2010 June      | <b>Choi J</b> , 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, <b>J Choi</b> , 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     | <b>Choi J</b> , 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, <b>Choi J</b> , 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 | <b>Choi J</b> (2007) Introduction of Laplacian Clustering Method, Biostatistics core group, MOFFITT Cancer Center & Research Institute, Tampa, USA                                                                                                                                                      |
| 2007 March     | <b>Choi J</b> , 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 (동아대 병원 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, Phyton, 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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Department of Statistics  
Pusan National University  
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Pusan, South Korea  
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**Seong-Yeon Kim, Ph.D.**

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

**Chi-Myeong Kwon, Ph.D.**

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Pusan, South Korea  
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