

SANGWOOK KANG

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College of Public Health
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EMPLOYMENT

ASSISTANT PROFESSOR Aug 2007 - Present
DEPARTMENT OF EPIDEMIOLOGY AND BIOSTATISTICS, COLLEGE OF PUBLIC HEALTH, UNIVERSITY OF GEORGIA

GRADUATE RESEARCH ASSISTANT Aug 2001 – Jun 2007
DEPARTMENT OF BIOSTATISTICS, UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

RESEARCH INTERESTS

ANALYSIS OF CORRELATED FAILURE TIME DATA
STATISTICAL METHODS IN EPIDEMIOLOGY

EDUCATION

PH.D. BIOSTATISTICS Aug 2007
SCHOOL OF PUBLIC HEALTH, UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

- Dissertation Advisor: Dr. Jianwen Cai
- Dissertation Title: Statistical Methods for Case-Control and Case-Cohort Studies with Possibly Correlated Failure Time Data

B.S. Statistics Feb 2001
SEOUL NATIONAL UNIVERSITY, SEOUL, KOREA

RESEARCH ASSISTANTSHIPS

GRADUATE RESEARCH ASSISTANT Jan 2004 – Jun 2007
DEPARTMENT OF BIOSTATISTICS, UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

- Conduct data cleaning and analysis using SAS: Project on endodontic treatment in Swedish women
- Assisted with NIH grant proposal writing
- Helped review manuscripts submitted to journals such as *Biometrics* and *Biometrika*
- Conducted simulations using S-Plus/R to determine the sample sizes for various epidemiological studies

GRADUATE RESEARCH ASSISTANT Aug 2002 – Dec 2003
DEPARTMENT OF DENTAL ECOLOGY, AND DEPARTMENT OF BIOSTATISTICS, UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

- Conducted data cleaning and analysis using SAS, wrote methods and results sections in manuscript: Project on endodontic inflammation and cardiovascular outcomes

GRADUATE RESEARCH ASSISTANT Aug 2001 – Jul 2002
CENTER FOR EXCELLENCE IN HEALTH STATISTICS, UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL,

- Conducted data cleaning and analysis using SAS: Project on linkage of multiple data sources
- Searched and reviewed the literature on spatial data analysis

TEACHING EXPERIENCE**TEACHING ASSISTANT AND GRADER**

DEPARTMENT OF BIOSTATISTICS, UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

- Advanced Linear Models I (TA) Fall 2005, Fall 2006
- Basic Elements of Probability and Statistical Inference I (TA) Fall 2002
- Intermediate Linear Models (Grader) Spring 2005, Spring 2003
- Principles of Statistical Inference (Grader) Fall 2003

PUBLICATIONS

D.J. Caplan, J.B. Chasen, E. A. Krall, J. Cai, **S. Kang**, R. I. Garcia, S. Offenbacher, and J.D. Beck (2006) LESIONS OF ENDODONTIC ORIGIN AND RISK OF CORONARY HEART DISEASE. *JOURNAL OF DENTAL RESEARCH* 85: 996-1000

WORKING PAPERS

Sangwook Kang and Jianwen Cai (2007) MARGINAL HAZARDS REGRESSION FOR RETROSPECTIVE STUDIES WITHIN COHORT WITH POSSIBLY CORRELATED FAILURE TIME DATA. (SUBMITTED TO BIOMETRICS)

Sangwook Kang and Jianwen Cai (2007) MARGINAL HAZARDS REGRESSION FOR CASE-COHORT STUDIES WITH MULTIPLE DISEASE OUTCOMES. *IN PREPARATION*

Sangwook Kang and Jianwen Cai (2007) MARGINAL ADDITIVE HAZARDS REGRESSION FOR CASE-COHORT STUDIES WITH MULTIPLE DISEASE OUTCOMES. *IN PREPARATION*

PRESENTATIONS

MARGINAL HAZARDS REGRESSION FOR CASE-CONTROL AND CASE-COHORT STUDIES WITH POSSIBLY CORRELATED FAILURE TIME DATA Oct 2007

Computational Systems Biology Lab Seminar, Institute of Bioinformatics, University of Georgia

WEIGHTED ESTIMATING EQUATIONS FOR RETROSPECTIVE STUDIES Mar 2006

WITH POSSIBLY CORRELATED FAILURE TIMES WITHIN COHORT

Contributed paper, ENAR Spring Meetings, Tampa, FL

WEIGHTED ESTIMATING EQUATIONS FOR RETROSPECTIVE STUDIES Aug 2005

WITH POSSIBLY CORRELATED FAILURE TIMES

Contributed paper, JSM, Minneapolis, MN

AWARDS AND HONORS

STUDENT'S TRAVEL AWARD TO ENAR AND JSM 2005, 2006

DEPARTMENT OF BIOSTATISTICS, UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

FRYER AWARD 2001

DEPARTMENT OF BIOSTATISTICS, UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL

- Established to honor first year biostatistics graduate students with outstanding qualifications

TUITION SCHOLARSHIPS 1999, 2000

DEPARTMENT OF STATISTICS, SEOUL NATIONAL UNIVERSITY, KOREA

COMPUTER SKILLS

LANGUAGES: C/C++, JAVA

OPERATING SYSTEMS: UNIX, Windows, Dos

STATISTICAL APPLICATIONS: SAS, S-Plus & R, Matlab, Minitab, SPSS, BUGS

OTHER APPLICATIONS: MS Word, Excel, PowerPoint, LATEX

MILITARY EXPERIENCE

SERGEANT

Nov 1996 – Jan 1999

560TH MEDICAL COMPANY, U.S. ARMY, CAMP HUMPHREYS, KOREA

- KATUSA (Korean Augmentees to the U.S. Army)
- Planned and implemented training for 60 soldiers in the company, including field operations, medical classes, and physical training
- Awarded the Army Achievement Medal (AAM)

OTHER SKILLS

LANGUAGES: **Korean** – native; **English** – fluent; **Japanese** – reading knowledge