

## *Curriculum Vitae*

### **Hyoyoung Choo-Wosoba, PHD Student**

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### **Education:**

2012-present      PhD student, Department of Biostatistics and Bioinformatics  
University of Louisville  
Louisville, KY 40208

2007-2009      M.S., Department of Statistics  
University of Nebraska - Lincoln  
Lincoln, NE 68583-0963

2002-2007      B.A., Department of Applied Statistics  
KonKuk University  
Seoul, South Korea

### **Professional Experiences:**

May – October, 2010    Assistant Statistician  
University of California – Davis – Department of Public Health

- Analyze a longitudinal data to determine if two different genotypes of mice has a significant effect as time goes by
- Conduct Survival Analysis to determine if there are significantly different life spans between two different genotypes of mice under each of three different food conditions
- Conduct Two-Way ANOVA and Two Sample T-test to determine if there is a significant difference between two genotypes of mice under two treatment conditions for several organs by using AUC(Area Under the Curve)
- Analyze clinical data using Linear Regression Analysis to test for linear relationships

2007 - 2009      Research Assistant in University of Nebraska - Lincoln  
Lincoln, NE 68583-0963

- work independently on gene detection with a developed method create R programs that allow one to detect certain genes from a biological feature in which researchers are interested

- create a simulation test using R to discover how accurate the estimation methods are

**Research Interests:** Periodontal Disease- carries/attachment Loss  
Pediatric cardiology  
Statistical Genetics