

## Palash Sharma

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**OBJECTIVE** To pursue a career that will allow myself to follow my passion and experience in the field of Analytics and Biostatistics.

**EDUCATION** *Doctor of Philosophy, Biostatistics*  
**The University of Kansas School of Medicine**, Kansas City, KS  
Enrolled: 2017.08 - Expected 2021.06  
GPA: 3.80/4.0

*Master of Science, Statistics*  
**The University of Nevada, Reno**  
Enrolled: 2015.08 - 2017.06  
GPA: 3.75/4.0

*Bachelor of Science, Mathematics*  
**University of Dhaka, Bangladesh**  
Enrolled: 2010.01 - 2014.06

**TECHNOLOGY SKILLS** *Programming Languages:*  
SAS suite of analytics, PROC SQL, SAS Macro language, SAS/GRAPH  
Proficient in R for Statistical Analysis software, SPSS, MAPLE, JMP.

*Other skills:*  
Tableau, MYSQL, Redcap, Mathematica.

**RESEARCH INTEREST** Survival Analysis; Longitudinal data analysis; Linear and Non Linear Mixed effects model; Crossover trial design; Proportional odds model.

**RESEARCH EXPERIENCE** *Department of Nephrology and Hypertension* August 2018 - Present  
The University of Kansas Medical Center

- Develop a statistical model on geriatric nephrology with a focus on cognitive impairment and quality of life in patients with kidney diseases
- Studying cognitive function before and after kidney transplantation and the adverse effects of immune suppression on cognition and quality of life.
- the Effects on access to kidney transplantation, especially for older patients with the end-stage renal disease.

*The University of Kansas Alzheimer disease Center* August 2017 - Present  
kansas City, KS

- Working collaboratively with Alzheimer disease center to develop in-depth statistical analysis on identified areas of concern.
- Participate with researchers in the development of research methodology and study design.
- Compile and analyze data on performances metrics from multiple data source in order to validate and standardize logic used across the platform.

**WORKING  
EXPERIENCE**

***Statistician - I***

May 2014 - April 2015

International Center for Diarrhoeal disease Research, Bangladesh

- Design, implemented, and assessed surveys of data collection methodology.
- Prepared data files for submission to the ICDDRDB, following stringent data specifications in order to meet data standards.
- Provided management with specific descriptive summaries, interpretation, and evaluations of numeric data that are necessary in developing public health policy.
- Utilized statistical methods for hypothesis testing to identify a significant difference between the population of interest.

***Summer Intern***

May 2013 - August 2013

Delta Life Insurance Company, Dhaka, Bangladesh

- Model and predicted attrition rate among customers using parametric hazard rate regression model and R statistical software.
- Wrote SQL query to extract data for reserve calculation.
- Reviewed large account price by validating the loss run data entry, calculating mean of claim lags and reporting the number of cumulative claims.

**TEACHING  
EXPERIENCE**

***Graduate Teaching Assistant***

August 2017 - present

Department of Biostatistics, The University of Kansas Medical Center.

- Taught course BIOS 740 Applied Multivariate Methods (Fall 2018) , STAT 820 Statistical Computing (Summer 2017).
- Tutored in the biostatistics tutoring lab every other Friday to answer questions from students from various departments in KU medical center.

***Graduate Teaching Assistant***

August 2015 - July 2017

Department of Mathematics and Statistics, The University of Nevada, Reno

- Course taught including Probability and Statistics, Advanced Calculus for College Students.
- Created lesson plans and fostered an environment conducive to facilitate students furthering their education.
- Proctored, graded and recorded quizzes and exams.

**PROJECT**

***Donor kidney transplantation using flexible parametric and semi-parametric statistical model***

August 2018 - ongoing

Department of Nephrology and Hypertension

- Fitted a Cox proportional hazard model for Kidney transplant data.
- Conducted 10-fold cross validation based on overall C index as a measure of discrimination to validate the proposed Cox proportional hazard model.

***Predicting hospitalization 30-Day Readmission: Kidney transplant disease***

August 2017 - ongoing

Department of Nephrology and Hypertension

- Built a logistic model for prediction modeling using readmission data.
- Conduct cross validation analysis using different statistical method.

***Developing A web application for electronic data capture and data management***

August 2018 -On going

University of Kansas Alzheimer's disease center

- Using open source software Redcap, R-studio to develop R shiny app for real time data visualization and reporting for Alzheimer's disease.
- Using for weekly consensus meeting to evaluate the patient with dementia or not.

### ***Data Analysis Project***

August 2015 - present

University of Kansas School of Medicine, Kansas City, KS

- Titanic Survival data analysis.
- Write sample NIH grant to access the effectiveness of turmeric on hearth related diseases (Class Project).
- Forecasting with Time series models with stock exchange data.(Class Project).
- Analysis of case control study design with panel data. (Class Project)

### **POSTER PUBLICATION**

- **Sharma P.**, Keighley J. , Application of heavy-tailed distribution using PROC IML, NLMIXED, and SEVERITY, Midwest SAS conference paper, 2018.
- **Sharma P.**, Predictive modeling of Micro-array Gene Expression data using SAS Enterprise Miner 14.2 and Base SAS Software., 2018 SCSUG Educational Forum, 2018.
- **Sharma P.**, Mahnken, J.D, Two arm phase II clinical trial design, 2017 KUMC Department of Biostatistics Symposium: Contemporary, statistical issues in medical/health related research.

### **CERTIFICATION**

09/16/2017 - present.

- Collaborative Institutional Training Initiative(CITI) Certificate for Biomedical Researchers.
- Collaborative Institutional Training Initiative(CITI) Certificate for Responsible conduct of Research.

### **HONORS AWARDS**

- Midwest SAS conference Scholarship *Indianapolis, Indiana*  
September 30, 2018 - October 2, 2018
- SCSUG Educational Forum Scholarship *Austin, TX*  
November 4, 2018 - November 7, 2018
- Graduate Research Assistantship *Department of Biostatistics*  
May-2017-present
- Graduate Teaching Assistant, *Department of Mathematics and Statistics*  
August 2015 - July 2017
- Bangladesh Science and Technology Scholarship (Govt. of Bangladesh)  
May 2012- May 2013

### **COMMUNITY SERVICE**

- Midwest SAS Global conference, (Indianapolis, Indiana), *Volunteer*  
September 30, 2018 - October 2, 2018
- Graduate Student association at UNR (Member), *Volunteer*  
August 2015 - May 2017
- President of Bangladesh student association at UNR, *Volunteer*  
December 2016 - may 2017
- Financial manager, KUMC biostatistics group, *Volunteer*  
August 2017 - Present

- Graduate Student Association at Ku Medical Center, *Volunteer*  
August 2017 - Present

**PROFESSIONAL  
MEMBERSHIP**

- American Statistical Association
- American Statistical Society of Nevada Chapter.
- American Mathematical Association.
- Statistical society of Bangladesh (SSB).

**REFERENCES**    Upon request.