Wenqian Li

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PROFESSIONAL SUMMARY

Skills: R, Python, SQL, SAS (*base certificate*), statistical modeling
Excellent analytical thinking, problem solving, time management, and communication skills.
Work effectively both independently and as a member of a cross functional team.

EDUCATION

M.S. in Statistics, GPA: 3.67   12/2017
University of California, Davis   (expected)

Ph.D. in Biomedical Sciences, GPA: 3.57   08/2016
The University of Texas MD Anderson Cancer Center, Houston

Bachelor of Medicine, GPA: 3.53, Rank: 3/40   07/2011
Peking University Health Science Center, Beijing, China

COURSE PROJECTS

Analyze topics of news articles using natural language processing, University of California, Davis   02/2017
- Web-scraped and extracted articles from several categories of news.
- Used nltk, sklearn, and wordcloud to analyze the topics of a list of news articles.

Build a linear model to predict abalone age, University of California, Davis   12/2016
- Conducted exploratory data analysis on an abalone dataset with over 4000 observations.
- Selected and validated the best linear model to predict the abalone age by nine variables.

Statistical analysis of deaths rates for 44 major cities in the U.S., University of California, Davis   12/2016
- Analyzed the differences of death rates in 44 cities and changes over 46 years.
- Plotted the locations of cities and 2d density of death rates on U.S. map, using package *ggmap*.
- Predicted the number of deaths by fitting linear or logistic models in each city.

PROFESSIONAL EXPERIENCE

Department of Epigenetics and Molecular Carcinogenesis, MD Anderson Cancer Center, Houston   09/2011 - 08/2016
Graduate Student Researcher
- Designed and conducted experiments to investigate the functions of a novel protein in breast cancer.
- Conducted quantitative research to analyze the correlation of gene expression levels with cancer patients' survival.
- Collaborated with biostatisticians and oncology researchers to build a classification model of breast cancer subtypes.

Institute of Cardiovascular Sciences, Peking University, Beijing   09/2010 - 07/2011
Undergraduate Research Intern
- Designed and implemented experiments to study receptor agonists that contribute to ameliorate atherosclerosis.
- Conducted Student's t-tests to compare the effects of agonists on regulating gene expression.

SELECTED AWARDS

Merit Student, Peking University   2007 - 2010
Inspirational Scholarship for Academic Outstanding Student, Peking University   2009 - 2010
National Physics Competition, third prize   2008
Outstanding Student Leadership, in both Peking University and Beijing (1/270)   2007

FIRST-AUTHOR PUBLICATIONS

Cytoplasmic ATXN7L3B Interferes with Nuclear Functions of the SAGA Deubiquitinase Module.
  Wenqian Li, Boyko S. Atanassov, Xianjiang Lan, Ryan D. Mohan, Selene K. Swanson, Aimee T. Farria, Laurence Florens, Michael P. Washburn, Jerry L. Workman, Sharon Y. R. Dent. *Molecular and Cellular Biology* 36(22):2855-2866, 2016.

KATs in Cancer: Functions and Therapies.
  Aimee Farria,* **Wenqian Li**,* Sharon YR Dent. * Equal contribution. *Oncogene* 34(38):4901-13, 2015.