









# JIANA GU MCLELLAN

## PROFESSIONAL EXPERIENCE

- 2019  
|  
Present
- **Software Developer**  
McKinsey & Company  Atlanta, GA
    - Develop tools and web applications for data analytics
    - Develop and maintain R and Python packages
- 2016  
|  
2019
- **Shiny Developer/ R Programmer Analyst**  
Beef Cattle Institute at Kansas State University  Manhattan, KS
    - Build big data interactive dashboard (shiny) for clients generating dynamic report.
    - Develop R program/ packages for research projects.
    - Build shiny dashboard (including user authentication) that linked to a mobile app, mobile app users can visualize their own data and generate reports with the same log in as the mobile side.
    - Statistical consulting.
- 2019  
|  
Present
- **Instructor**  
College of Business at Kansas State University  Manhattan, KS
    - Teach MIS 665 Business Analytics and Data Mining through K-State global campus
- 2014  
|  
2016
- **Graduate Teaching Assistant**  
Department of Statistics at Kansas State University  Manhattan, KS
    - Teach Stat 325 (Introduction to Statistics) course as the instructor.
    - Grade Assignments and exam.
- 2015  
|  
2016
- **Statistics Specialist**  
International Admission and Recruiting office at Kansas State University  Manhattan, KS
    - Build interactive dashboard (shiny) to visualize the admission data.

## EDUCATION

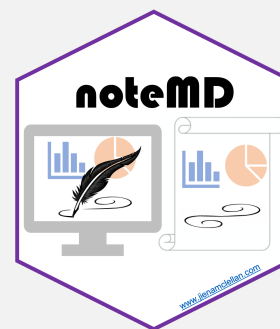
- 2017
- **Kansas State University**  
Graduate Certificate in Data Analytics  Manhattan, KS, uSA
- 2016
- **Kansas State University**  
M.S. in Statistics  Manhattan, KS, uSA
- 2013
- **South China Normal University**  
B.S. in Bioengineering  Chuangzhou, China

## CONTACT INFO

✉ [jienagu90@gmail.com](mailto:jienagu90@gmail.com)  
🌐 [github.com/jienagu](https://github.com/jienagu)  
🏠 [www.jienamclellan.com](http://www.jienamclellan.com)

## R PACKAGES

### noteMD:



Print text from shiny ui (support markdown syntax) to pdf or word report

Repo: [github.com/jienagu/noteMD](https://github.com/jienagu/noteMD)

### forestry



help with reshaping hierarchy of data tree

Repo: [github.com/jienagu/forestry](https://github.com/jienagu/forestry)

## R/ SHINY PUBLICATIONS

- 2019 ● **Building an Interactive Tutorial Website for R and Statistics**  
C2C Digital Magazine: Vol. 1 : Iss. 10 , Article 7.  
Jiena Gu McLellan
- 2018 ● **Geographic Information Visualization by R**  
C2C Digital Magazine: Vol. 1 : Iss. 8 , Article 4.  
Jiena Gu McLellan
- 2017 ● **Sentiment Analysis of Real-time Twitter Data**  
C2C Digital Magazine: Vol. 1 : Iss. 7 , Article 8.  
Jiena Gu McLellan
- 2016 ● **Shiny App: An Efficient and Creative Communicator of Big Data**  
C2C Digital Magazine: Vol. 1 : Iss. 6 , Article 6.  
Jiena Gu

## PEER-REVIEWED PUBLICATIONS AND TALKS

- 2020 ● **Effect of Duration and Onset of Clinical Signs on Short-Term Outcome of Dogs with Hansen Type I Thoracolumbar Inter-vertebral Disc Extrusion**  
Veterinary and Comparative Orthopaedics and Traumatology  
DA Upchurch, WC Renberg, HS Turner, **JG McLellan**
- 2019 ● **learnr: Interactive R tutorials**  
TA for Yihui Xie (Instructor) at Advanced Rmarkdown Workshop at RStudio Conference 2019  
Jiena Gu McLellan 📍 Austin, TX
- 2019 ● **Evaluation of three classification models to predict risk class of cattle cohorts developing bovine respiratory disease within the first 14 days on feed using on-arrival and/or prearrival information.**  
Computers and Electronics in Agriculture. 156 (2019) 439-446.  
David E. Amrine, **Jiena G. McLellan**, Brad J. White, Robert L. Larson, David G. Renter, Mike Sanderson.
- 2018 ● **Evaluation of animal-to-animal and community contact structures determined by a real-time location system for correlation with and prediction of new bovine respiratory disease diagnoses in beef cattle during the first 28 days after feedlot entry.**  
American Journal of Veterinary Research [01 Dec 2018, 79(12):1277-1286]  
Shane DD, **McLellan JG**, White BJ, Larson RL, Amrine DE, Sanderson MW, Apley MD. 📍 Kansas, USA

faq



create a FAQ (Frequently Asked Questions) page

Repo: [github.com/jienagu/faq](https://github.com/jienagu/faq)

flashCard



create a flash card  
[github.com/jienagu/flashCard](https://github.com/jienagu/flashCard)

### Skills:

R, Python, Shiny, html, Rcpp (C++), CSS

- 2018 ● **R for Data Analytics & Interactive Visualization**  
Manhattan Data Analytics Meetup 📍 Manhattan, KS  
Jiena Gu McLellan

## PERSONAL SHINY PROJECTS

- 2019 ● **DT Editor/ DT Editor Shiny Module**
- Intro: DT Editor Shiny App that has (almost) all features of data table editor.
  - Shiny Module: [https://github.com/jienagu/DT\\_editor\\_shiny\\_module](https://github.com/jienagu/DT_editor_shiny_module)  
Repo: <https://github.com/jienagu/DT-Editor>
- 2019 ● **rpivotTableMD**
- Intro: a shiny app demonstrates `rpivotTable` dynamically interacting with Rmarkdown reports (pdf or word) from a shiny app platform  
Repo: <https://github.com/jienagu/rpivotTableMD>
- 2019 ● **D3 folded charts**
- Hierarchies Design of Data Visualization for shiny: Drilling down from graphs to table/graphs similar with Power BI; generate dynamic reports.  
Repo: [https://github.com/jienagu/D3\\_folded\\_charts](https://github.com/jienagu/D3_folded_charts)
- 2019 ● **Shiny Template**
- Intro: a shiny template is to mimic questions/survey type of UI design to bring the best user-experience.  
Repo: [https://github.com/jienagu/Shiny\\_Template](https://github.com/jienagu/Shiny_Template)
- 2019 ● **PlayR: Interactive Tutorial Website**
- Intro: an interactive tutorial website (PlayR) built by learnr package.  
Repo: [https://github.com/jienagu/Interactive\\_tutorial\\_website](https://github.com/jienagu/Interactive_tutorial_website)
- 2019 ● **Shiny Interactive Presentation**
- Intro: Generating interactive presentation from shiny side  
Repo: [https://github.com/jienagu/Shiny\\_Interactive\\_Presentation](https://github.com/jienagu/Shiny_Interactive_Presentation)

## GRANT & AWARDS

- 2019 ● **The Development Grant for MIS665 through K-State global campus**
- Intro: Develop MIS 665 Business Analytics and Data Mining course  
Fund: \$3500

This resume was made with the R package [pagedown](#).

Last updated on 2020-08-12.