

JIANA GU MCLELLAN

Currently searching for a full time position in US.

Professional Interests:

- Shiny Education/ Consult: introduce a new educational flow from developers' perspective.
- Combine Shiny and Rmarkdown to create a dynamic reporting eco-system.
- Hierarchies Design of Data Visualization for shiny similar with popular commercial BI software.
- Build htmlwidgets and combine with the beauty of shiny.

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

PROFESSIONAL EXPERIENCE

- 2016 | Present • **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**
Internatioanl Admission and Recruiting office at Kansas State University Manhattan, KS
 - Build interactive dashboard (shiny) to visualize the admission data.

CONTACT INFO

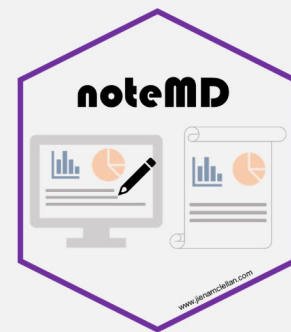
✉ jienu90@gmail.com

🔗 github.com/jienagu

🏠 www.jienamcclellan.com

R PACKAGES

noteMD: CRAN 0.1.0



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

Repo: github.com/jienagu/noteMD

nivopie:



An html widget that creates interactive pie chart

Repo: github.com/jienagu/nivopie



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

Skills:

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



PEER-REVIEWED PUBLICATIONS AND TALKS

- 2019 ● **learnr: Interactive R tutorials**
TA for Yihui Xie (Instructor) at Advanced Rmarkdown Workshop at RStudio Conference 2019
📍 Austin, TX
Jiena Gu McLellan
- 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]
📍 Kansas, USA
Shane DD, McLellan JG, White BJ, Larson RL, Amrine DE, Sanderson MW, Apley MD.

Languages:

English, Chinese

- 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
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
- 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
- 2019 ● **PlayR: Interactive Tutorial Website**
• Intro: an interactive tutorial website (PlayR) built by `learnr` package.
Repo: 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

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 2019-05-02.