COLIN ANNAND

USA I Remote

Portfolio I UpWork I LinkedIn I Google Scholar

732.466.7277 I cta_resume@dispatch.mozmail.com

Scientist, statistician and all around data-wrangler, approaching 10 years of experience with research, statistics programming and more for science, predictive models and policy analysis. Looking to integrate my research background, data visualization and statistical modeling skills to solve challenging problems and contribute to scientific communities.

SKILLS

- R, Python, SQL, MatLAB
- SPSS, JASP,
- Machine Learning, Natural Language Processing, AI Tools, Git tools, web design, git tools, HTML, markdown.
- Academic Writing, Research Methods, Editing, Ph.D. Dissertation and Thesis mentoring
- Exceptional communication

EDUCATION

PH.D. – EXPERIMENTAL PSYCHOLOGY
M.A. – EXPERIMENTAL PSYCHOLOGY

University of Cincinnati 2021 & 2018

B.A. – PSYCHOLOGY & LINGUISTICS

Rutgers University 2014

EXPERIENCE

FEDERAL EMERGENCY MANAGEMENT AGENCY

Remote – Full Time – 40 Hrs/Week I Washington, DC

SENIOR STATISTICIAN GS-1530-13 10/2021 – PRESENT

JUNIOR STATISTICIAN GS-1530-12 10/2020 – 10/2021

Cross skilled lead analyst, statistician, and project lead. Integrating programming, data analysis and visualization on complex, high impact projects that inform policy decisions and improve quality of life outcomes.

- Provide quantitative methods to determine immediate and future impacts of FEMA Assistance using R, Python, SQL, Excel, and Tableau.
- Developed multiple predictive models for Disaster Impact, used by agency and division leaders in resource allocation and decision making.
- Assessed allocation of 50 Billion in funding for COVID-19 Emergency Response; incorporated analytic findings into 40+ page report including statistical validation, peer review and high quality data visualization.

RESEARCH STATISTICIAN 2018-2020

Ultrasound Biofeedback Group – U.Cincinnati

- Applying statistical theories to assess clinical speech intervention results; analyzing data trends via classification, clustering and visualization to inform the design of technology.
- Worked within a multidisciplinary team; biomedical engineers, speech pathologists, designers, VR technicians on innovating a new biofeedback approach to speech therapy.
- Performed statistical analysis of large-scale, complex data; ultrasound imaging yielded tongue articulation trajectory data, submitted to classification and clustering analyses.

RESEARCH & LAB SUPERVISOR 2014-2020

Complexity Lab, University of Cincinnati

- Programmed multiple experiments in Python, MatLAB, Arduino, and performed wide range of analysis on individual and team performance, learning data, and cognitive tasks.
- Data extraction, prep, cleaning and management and ETL collation from many common file structures; txt, csv, tab, fixed-width, json and online sources R and MatLAB.
- Multiple years of implementing, and supervising data collection with teams of 3-5 research assistants, ensuring detailed and accurate execution of procedure, ethics and privacy protections.