JULIAN MERCER

STATISTICIAN

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PROFESSIONAL SUMMARY

Statistician with 8+ years applying regression, causal inference, and experimental design in R to support product and policy decisions at Netflix and Pew Research Center. Translates uncertainty into clear recommendations and builds repeatable analysis pipelines.

CORE SKILLS

Statistical analysis | R | Causal inference | Experimental design | Bayesian modeling | Survey methodology | Regression modeling | Power analysis | Time series | Python | SQL | Quarto | Data validation | Stakeholder communication

PROFESSIONAL EXPERIENCE

Senior Statistician Apr 2023 - Present
Netflix, Los Gatos, CA

- Designed sequential testing guidelines for 60+ annual experiments, reducing average test duration 22% while holding false-positive rates at 5%.
- Built hierarchical Bayesian models for regional engagement forecasts, improving 28-day forecast error from 11% to 7%.
- Coached analysts on power analysis and interpretation, cutting underpowered test requests by roughly half.
- Documented analysis standards and review checklists in a shared handbook used by 30 analysts and data scientists.

Statistician Mar 2021 - Mar 2023

- Applied difference-in-differences and synthetic control to evaluate launches where randomization was not possible.
- Created an R package for variance reduction using pre-experiment covariates, adopted by seven analytics teams.
- Partnered with finance and marketing to measure incremental lift from a regional campaign, guiding a budget shift of about 8%.
- Reviewed experiment readouts for statistical errors each week and flagged peeking and multiple-comparison problems before decisions were made.

Statistician Jun 2018 - Feb 2021
Pew Research Center, Washington, DC

- Developed survey weighting using raking and propensity adjustment, reducing demographic bias against benchmark data by 40%.
- Quantified nonresponse and mode effects across four panel waves, documenting margins of error for published reports.
- Automated weighting and tabulation pipelines in R and Quarto, saving about 120 analyst hours per survey cycle.
- Reviewed methodology notes for 25 public releases and flagged unsupported comparisons before publication.
- Analyzed longitudinal panel data with mixed-effects models, supporting two published reports on attitude change over time.

EDUCATION

M.S. in Statistics, University of Michigan, Ann Arbor, MI

CERTIFICATIONS

Accredited Professional Statistician (PStat) | Johns Hopkins Statistics with R Specialization