Henrike Adeyemi-Castell

Statistician
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SUMMARY

Statistician with 5 years in clinical trials and population health surveys. Designs studies, writes statistical analysis plans and builds mixed-effects, survival and survey-weighted models in R and SAS. Has supported 2 regulatory submissions and presents results to clinicians, program managers and review boards in plain terms.

EXPERIENCE

Statistician II — Pinehollow Clinical Research

Durham, NC · May 2022 – Present

- Lead statistician on 3 phase II and III trials with 180 to 1,100 patients, writing the statistical analysis plans and sample size justifications reviewed by sponsors.
- Built mixed-effects models for repeated measures in SAS for a phase III primary endpoint, delivering tables, listings and figures 2 weeks before the database lock deadline.
- Designed a blinded sample size re-estimation for an underpowered trial, which the data monitoring committee adopted and which kept the study on track without unblinding.
- Wrote validated R functions for survival analysis outputs, cutting double-programming time for Kaplan-Meier figures from about 3 days to 1.

Survey Statistician — Carolina Population Health Institute

Chapel Hill, NC · Aug 2020 – Apr 2022

- Computed raking weights and design-based variance estimates for a statewide health survey of 9,000 households.
- Produced county-level estimates with small area models for 100 counties, used by the state health department to allocate outreach funding.
- Wrote a 20-page methods report and plain-language summaries for program staff, explaining margins of error and which estimates were too unstable to publish.

SKILLS

Methods: Experimental design, power analysis, mixed-effects models, survival analysis, GLMs, Bayesian hierarchical models, multiple imputation

Survey statistics: Complex sample design, weighting and raking, variance estimation, small area estimation

Software: R (tidyverse, lme4, survival, survey), SAS, Python (pandas, statsmodels), SQL, Git

Clinical: Statistical analysis plans, CDISC SDTM and ADaM, ICH E9 principles, data monitoring committees

EDUCATION

M.S., Biostatistics, University of North Carolina at Chapel Hill, 2020

B.S., Mathematics, Appalachian State University, 2018

Fictional example by FindAJobAI: the person, employers and numbers are invented.