Ryan Travis | Data Scientist

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rtravis89

Skills

Data Science

- Experimental Design, Exploratory Analysis, Generalized Linear Models, Hierarchical/Mixed Effect Models, Machine Learning, R, Python, SQL, SAS (Base 9 Certified)

Experience

Point Right Inc. **Cambridge, MA**
Data Analyst *Sept. 2018 - Present*

- Rigorously evaluated and updated predictive models in production.
- Transitioned legacy SAS code base to modern R code.
- Full automated legacy reports and dashboards.
- Performed analysis for business designs and presented results to stake holders, including the CEO and board members.

Beth Israel Deaconess Medical Center **Boston, MA**
Biostatistician *June 2017 - Sept. 2018*

- Provided advanced statistical analysis and modeling of complex clinical trial data (phase II and phase III). including survival, hierarchical, and longitudinal data structures. Typical models included generalized linear models as well as time to event survival models.
- Used machine learning methods such as stacked ensembles, tree based models, and regularized regressions for cardiovascular outcome risk prediction.
- Produced publication worthy visualizations using R.
- Assisted in the writing and preparation of medical research papers.
- Provided statistical consulting and programming support (R and SAS).
- Assisted in the design and collection of medical registry data (observational data collection).

Education

Texas A&M **College Station, TX**
M.S. Statistics *2014-2018*

West Virginia University **Morgantown, WV**
B.A. Economics *2007-2013*

West Virginia University **Morgantown, WV**
B.A. Philosophy *2007-2013*

Publications

2019: **Machine learning versus traditional risk stratification methods in acute coronary syndrome**: Lead Statistician
Gibson, W.J., Nafee, T., Travis, R. et al. J Thromb Thrombolysis (2019). https://doi.org/10.1007/s11239-019-01940-8.

Accepted: **Machine Learning for Prediction of Venous Thromboembolism in Acutely Ill Patients at High Risk of Venous Thromboembolism**: Gibson, C.M., Nafee, T., Travis, R. et al. Research and Practice in Thrombosis and Haemostasis (2019)
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