

Kees Schipper
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Education

Yale University

- New Haven, CT
- B.S. in Biomedical Engineering; Class of 2019

Tufts Friedman School on Nutrition Science and Policy

- Boston, MA
- M.S. in Nutritional Epidemiology and Data Science; Class of 2021

Skills and Competencies

- Programming specializing in R, with SAS, html, and Python as well.
- Static and interactive data visualizations with ggplot2, highcharter, plotly, leaflet, geospatial data, and interactive web apps for data visualization with the Shiny package in R
- Background in biostatistics with capabilities in the following: linear and logistic regression, survival analysis, proportional hazards models principal component and exploratory factor analysis, repeated measures, hierarchical linear models, random forest algorithms, and mixed effects models.
- Previous experience with literature review and data extraction concerning differences in dietary consumption in fad diet followers
- Experience writing static and interactive statistical reports in Rmarkdown

Work Experience

- **Research Assistant in HNRCA Epidemiology Research Group** Oct. 2019-Now
 - o Performed Principal Component and Factor Analysis to determine underlying patterns in different types of fad diets
 - o Cleaned, scored, derived variables, and made codebooks for 11 datasets for public release Using SAS in groups ADAPT study
 - o Assisted in Literature Review and data extraction examining differences in consumption between different diet groups in ADAPT study.
 - o Calculated summary statistics for various questionnaires (e.g. Goldberg personality)
 - o Broken down by diet group
- **Student Statistical Consultant for Tufts Medical Hepatology department** Jan 2020-May 2020
 - o Worked with over 50 million observations and over 300 variables in the National Inpatient Sample to create logistic regression models to examine the effects of cirrhosis and hemochromatosis on various health outcomes
 - o Created a 4:1 matched dataset matching Hemochromatic patients to non-Hemochromatic patients on basis of age and sex
- **President and organizer of the Tufts Chapter of the American Statistical Association 2020** May 2020-Now
 - o Lead recruitment, event planning, faculty outreach, and compilation of Learning resources for statistics and programming
 - o Organized and hosted workshop titled “How to find open-source data” with head of Tufts Data Lab to provide a tutorial for Master’s students on how to find data for research projects
- **Research Assistant Dr. Kathryn Miller-Jensen Lab, Yale University** Sept 2018-May 2019
 - o Ran parameter checks, sensitivity analysis, and literature review for HIV latency modelling. Edited and utilized differential equations solver to model GFP and Tat protein in HIV using RuleBender and NFsim packages in MatLab