Stanford



Kenneth Nieser

Postdoctoral Scholar, General Surgery

Bio

BIO

Ken Nieser is a postdoctoral research fellow through the Big Data-Scientist Training Enhancement Program (BD-STEP) at the Palo Alto VA and in the Department of Surgery, Stanford School of Medicine. Ken received a BA in Physics and Mathematics from Swarthmore College and a PhD in Epidemiology with a minor in Statistics from the University of Wisconsin-Madison. During his PhD, Ken developed and applied statistical methods for improving algorithmic fairness of data analyses used to inform screening and treatment of mental illnesses. These projects included development of an approach for detecting sample subsets with differential psychological symptom patterns and a sample representation reweighting method for improving the precision of subgroup-specific treatment effect estimation.

Ken's current research interests are in health care inequities, quality measurement, and algorithmic fairness. During his fellowship, Ken will be working on investigating the statistical reliability of quality measures and decomposing health care disparities to provide practical information for resolving inequities, with applications in mental health care and surgical care.

STANFORD ADVISORS

· Alex Sox-Harris, Postdoctoral Faculty Sponsor

LINKS

• Personal website: https://knieser.github.io/

Publications

PUBLICATIONS

- Split-sample reliability estimation in health care quality measurement: Once is not enough. Health services research Nieser, K. J., Harris, A. H.
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• The nature of the assembly process in chromonic liquid crystals LIQUID CRYSTALS REVIEWS

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