

README

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1 Project descriptions

I'm putting together a python module with functions to perform template matching for direct comparison of hospital quality metrics. This is a topic in health services research but could be applied to any risk-adjustment type work.

The work so far is based off of a paper by Silber et al (<https://www.ncbi.nlm.nih.gov/pubmed/24588413>).

I am looking for collaborators, so feel free to get in touch.

2 Status

2.1 Completed tasks

- Simulate a dataset of hospital quality metrics and patient characteristics (simulate-data.py).
- Function `makesamples` bootstraps n samples of k cases with replacement.
- Function `closestsample` calculates the sample whose Mahalanobis distance of sample means is closest to that of the original data.

2.2 To do

- Next step is to match patients in each hospital with the closest patient in the "best" sample.