Motivation

-The Scientific Registry of Transplant Recipients (SRTR) analyzes data on transplant patients that are collected from multiple sources [1]. Its mission is to provide advanced statistical and epidemiological analyses related to solid organ allocation and transplantation in support of the Department of Health and Human Services and its agents in their oversight of the national organ transplantation system.

Related Work

-Annual SRTR reports

Initial questions

-To what extent do transplant outcomes vary by geographical region?

Data

-SRTR from website

Exploratory Analyses

-Histograms of variables provided on waitlist patients

-Correlation plots of patient characteristics by zipcode

-Correlation plots of PRA score with comorbidities

-Dashboard for different organ types

Additional Analyses

-None, because of consistency across databases

Discussion

-Differences in demographics by zipcode

-Minimal variation in health outcomes across sites

-Variation by organ.

References:

[1] Leppke S, Leighton T, Zaun D et. al. Scientific Registry of Transplant Recipients: Collecting, analyzing, and reporting data on transplantation in the United States. *Transplantation Reviews*

, 27(2):50-56

[2] https://www.srtr.org/about-the-data/the-srtr-database/