

Proposal for STATS 506

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What I want to choose is option #1, and I've selected an alternate dataset:

<https://www.nber.org/research/data/medicare-fee-service-public-provider-enrollment-data>.

This is from NBER, a website specialized in collecting economics data. This is the Medicare Fee-For-Service Public Provider Enrollment Data. It was pulled from the Provider Enrollment and Chain Ownership System (PECOS), and it has information such as basic enrollment and provider information, reassignment of benefits information and practice location city, state and zip.

It is a very detailed and exhaustive dataset, and it also has explanatory files like [Data Dictionary](#), [Data Guide](#), and [Fact Sheet](#), which would be helpful for data analysis.

From the medicare website, I knew that Fee-for-service is a system of health care payment in which a provider is paid separately for each particular service rendered. An alternatives to fee-for-service programs is value-based or bundled payments, in which providers are paid based on outcomes and efficiency, rather than for each separate procedure that they perform.

In this dataset, we can ask how did the situation of practice vary in terms of cities or states, and did it have to do with the reassignment benefits in that region? As the dataset give the detailed location of agents, such as states and cities. So we can explore the difference between states and within a specific state.

Moreover, the historic files are also provided (<https://data.nber.org/ppef/>). So we can do some research on how did the enrollment data change overtime in different regions, and what contribute to this change, policy, revenue, or some other things?