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W205 Project Proposal
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Our proposal is to investigate data on hospital costs for procedures and scores for hospital quality to provide consumers a useful guide when selecting what facility to enroll in for medical procedures.

1. Team Members

- a. Eric Tsai
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2. Data Sets

- a. Hospital compare data
 - i. <https://data.medicare.gov/data/hospital-compare>
 - ii. <https://www.medicare.gov/hospitalcompare/search.html>
- b. Hospital charge data
 - i. <https://data.cms.gov/Medicare/Inpatient-Prospective-Payment-System-IP-PS-Provider/97k6-zzx3>

3. Description of Problem

- a. Medical procedure costs are opaque to patients. The cost of procedures is never presented to patients up front and patients only ever find out about the cost after the fact when a bill arrives. Even the doctors that prescribe and perform the procedures are often in the dark about the cost.
- b. The goal of the project is to empower consumers with information about the quality of hospitals relative to the price paid.
- c. The steps:
 - i. Pull in the data on hospital prices and hospital quality of service
 - ii. Clean the data
 - iii. Store the data
 - iv. Run analytics on the data to generate aggregate statistics
 - v. Present the data