

- **Are average scores for hospital quality or procedural variability correlated with patient survey responses?**

The average quality of care scores and the patient survey scores were collected for each of the hospitals where it existed and each of these variables are loaded as an independent RDD in Pyspark and a Pearson correlation analysis carried out. A small positive correlation of around  $\sim 0.12$  was observed, which shows somewhat of a weak inter-dependence between the patient survey responses and the hospital quality or procedural variability. The fact that it is positive is somewhat significant, but I suspect that averaging may have taken out a lot of useful information along with unwanted noise, thereby suppressing correlation trends (?!)