# MET415 Introduction to Business Analytics

# Assignment

A hospital is implementing a program to improve quality and productivity. As part of this program, the hospital is attempting to measure and evaluate patient satisfaction. The severity variable is an index that measures the severity of the patient illness. The table contains some of the data that have been collected for a random sample of patients. Apply time series analysis and predict the satisfaction of a patient whose severity index is 44.

| Severity | 38 | 39 | 40 | 41 | 42 | 43 |
|---|---|---|---|---|---|---|
| Satisfaction | 56 | 56 | 65 | 59 | 75 | 88 |