1. Least Absolute Deviations method to find from a set of points.

Part A:

* 1. Objective:

Constraints:

* 1. The LAD regression line appears to be . The sum of absolute deviations for the LAD regression is 12.5 compared to the 13.5 found with the LSR method.



* 1. Visual inspection shows that both LAD and LSR provide good regression equations that fit the data set. As previously mentioned, the LAD process had less total absolute deviation from the data set than LSR.

Part B: