**Assignment 16.1**

You survey households in your area to find the average rent they are paying. Find the standard deviation from the following data:

$1550, $1700, $900, $850, $1000, $950.

# The Mean is x̄ = 1550 + 1700 +900+850+1000+950

6

= 1158.333

Standard Deviation



**σ**  = sqrt(391.6667^2 + 541.6667^2 + -258.333^2 + -308.333^2 + -158.333^2 + -208.333^2)

6

= sqrt(153402.8 + 293402.8 + 66736.11 + 95069.44 + 25069.44 + 43402.78 )

6

= 335.9274