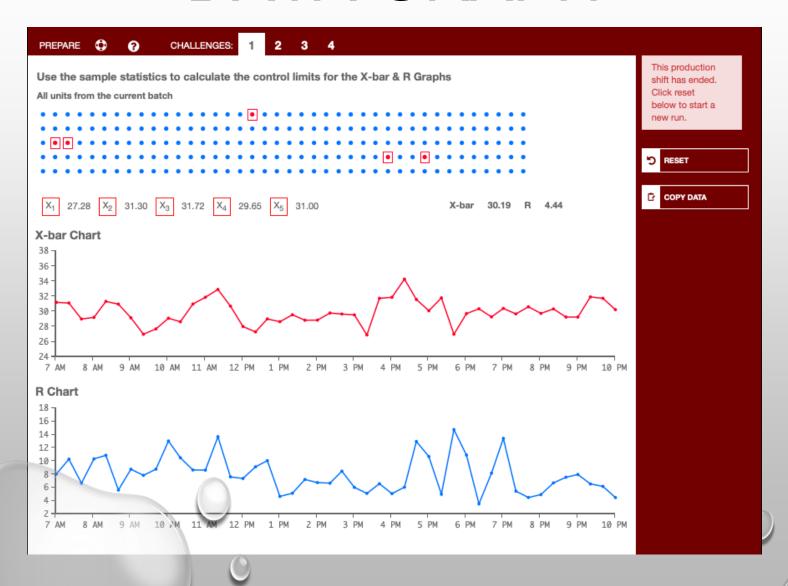


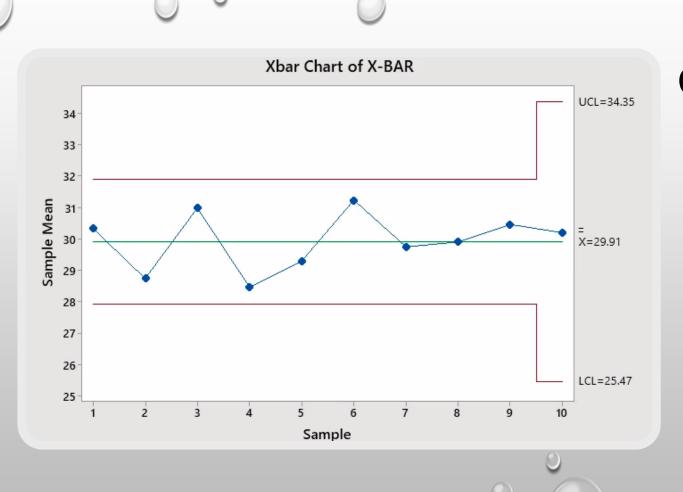
TANVI RAJEEVKUMAR JAIN

PJM 6135:PROJECT QUALITY MANAGEMENT

PROF: KAMYAR SHAHROOZ

### DATA GRAPH





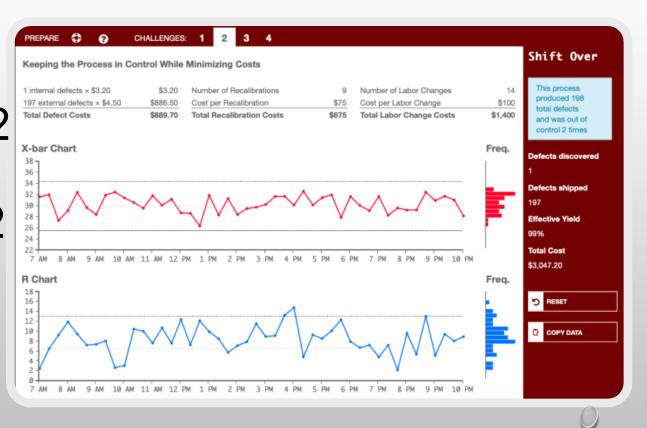
CHALLENGE 1(XBAR CHART) UCL=34.35 LCL=25.47

### R Chart of R UCL=13.00 Sample Range R=6.15 LCL=0 Sample

**CHALLEN** GE 1(XBAR CHART) UCL=13.0 LCL=0

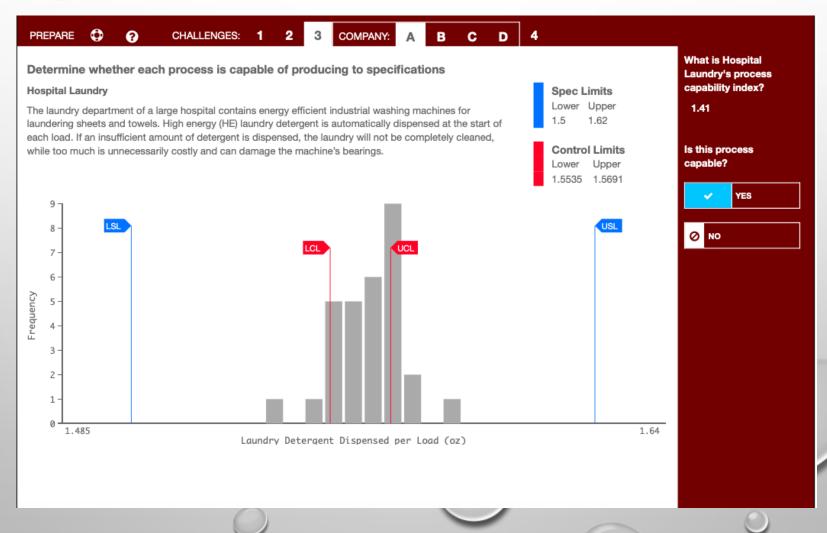


### CHALLENGE 2 TOTAL COST:\$3047.2

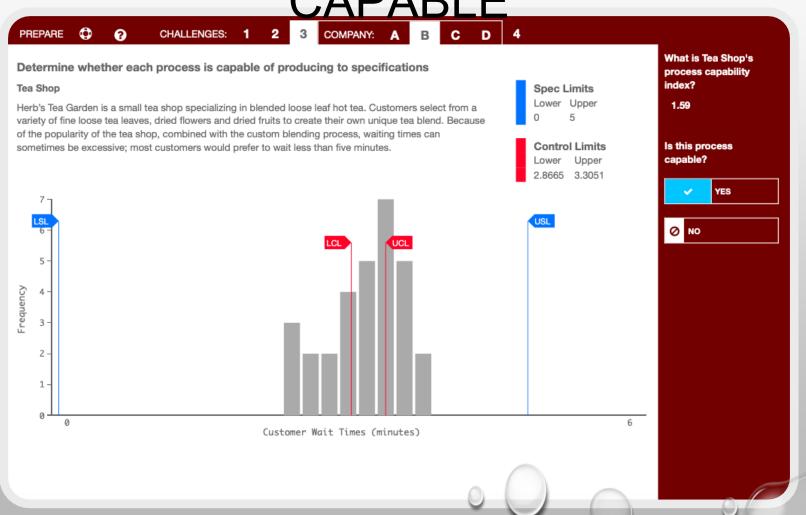




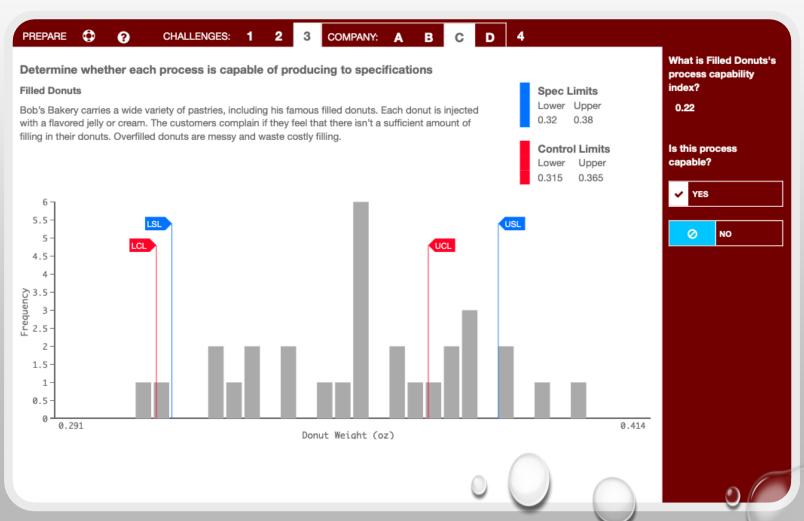
## CHALLENGE 3:PART A CI:1.41 Yes, the process is capable

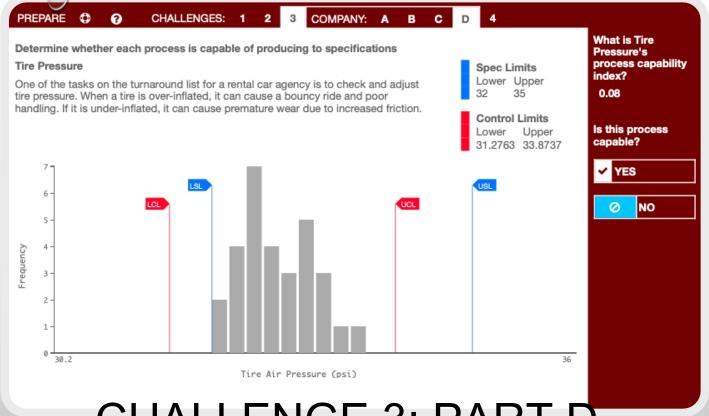


# CHALLENGE 3:PART B CI:1.59 YES, THE PROCESS IS CAPABLE



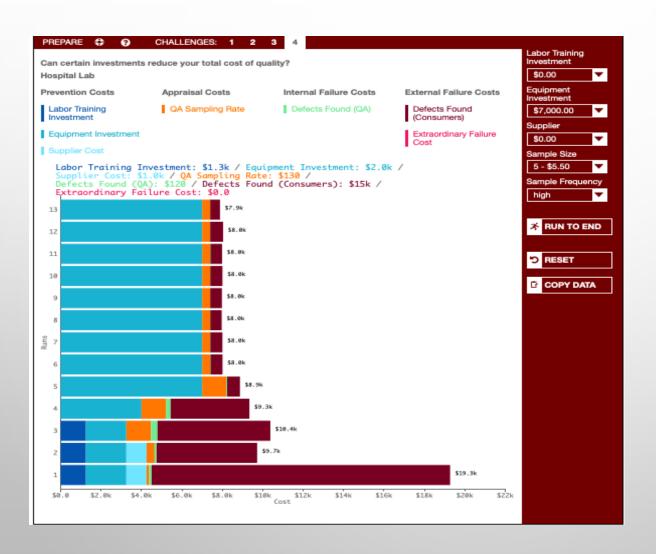
#### CHALLENGE 3:PART C CI:0.22 NO, THE PROCESS IS NOT CAPABLE





CHALLENGE 3: PART D CI:0.08 NO, THE PROCESS IS NOT CAPABLE

#### **CHALLENGE 4**



Minimum cost to Quality = 7.9k