

Analysis Sheet

For each round, do the following calculations and write them down in the worksheet below:

- 1) Count from the Tracking Sheet the number of boats delivered when the minute was 0, 1, 2, etc. and record the number in the table on the right.
- 2) Discard the data points for minute 0 and for your last minute and calculate the average of boats/minute:

$$\text{Average Throughput} = \frac{\text{Sum of \# of boats in each minute}}{\text{Number of rows sampled}}$$
- 3) Calculate the Lead Time for the Red Boat:

$$\text{Red Boat Lead Time} = \text{Last Boat Delivery Time} - 2 \text{ minutes}$$
- 4) Count the total number of boats delivered including the Red Boat.

Metrics			
ROUND 1		ROUND 2	
WIP at 2 minutes		WIP at 2 minutes	
Average Throughput		Average Throughput	
Red Boat Lead Time		Red Boat Lead Time	
Total Boats Delivered		Total Boats Delivered	

ROUND 1		ROUND 2	
Minute	# of Boats	Minute	# of Boats
0		0	
1		1	
2		2	
3		3	
4		4	
5		5	
6		6	
7		7	
8		8	
9		9	
10		10	
11		11	
12		12	
13		13	
14		14	
15		15	