

# Data Structures

- Nested for loop to generate orders (days & orders)
- Item count lists
- Lists --> DataFrame
- DataFrame --> queue
- first come queue
- stock inventory queue

# Variables

day size: rounded mean work month  
Daily order size: PERT  
Order size: PERT  
Item selection: `np.random.choice`  
Time to make order: PERT  
machine swap time: 30 minutes  
stock inventory: pre-selected values (only in scenario 2)

