

# NOISE FACTORS

## Part to Part

Pizza ingredients  
Pizza size and shape  
Pizza weight

## Change Over Time

Pizza ingredients quality  
Driver performance  
Pizza maker performance

## Customer Usage

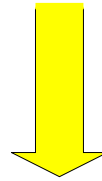
Demand for delivered pizza  
Time of day  
Day of the week  
Types of pizzas ordered

## External

Bad weather  
Road construction  
Traffic density  
Speed limits  
Delivery distance

## System Interactions

Driver competition  
Pizza maker throughput  
Pizza cook time  
Number of pizza to deliver on each run  
Delivery driver's car



## INPUT SIGNALS

Orders  
Cooking temperature  
Cooking time



## SYSTEM

Pizza Shop



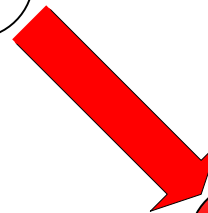
## IDEAL FUNCTION

Deliver a hot, attractive and tasty pizza in under 30 minutes



## CONTROL FACTORS

Approved suppliers  
Proven pizza recipes  
Delivery driver training  
Pizza maker training  
Order & delivery management plan  
Pizza oven maintenance  
Controlled pizza cook time & temperature  
Insulated delivery bag  
Sturdy pizza boxes



## ERROR STATES

No delivery  
Late delivery  
Unattractive pizza (cheese stuck to pizza box lid or improperly cooked)  
Cold pizza  
Poor tasting pizza