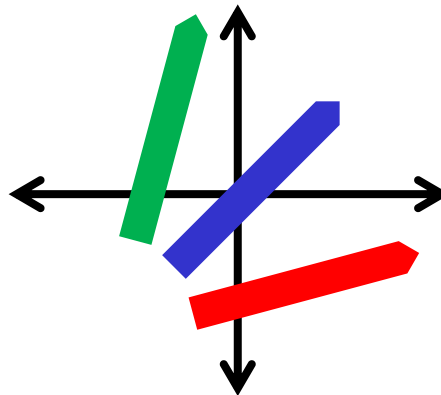
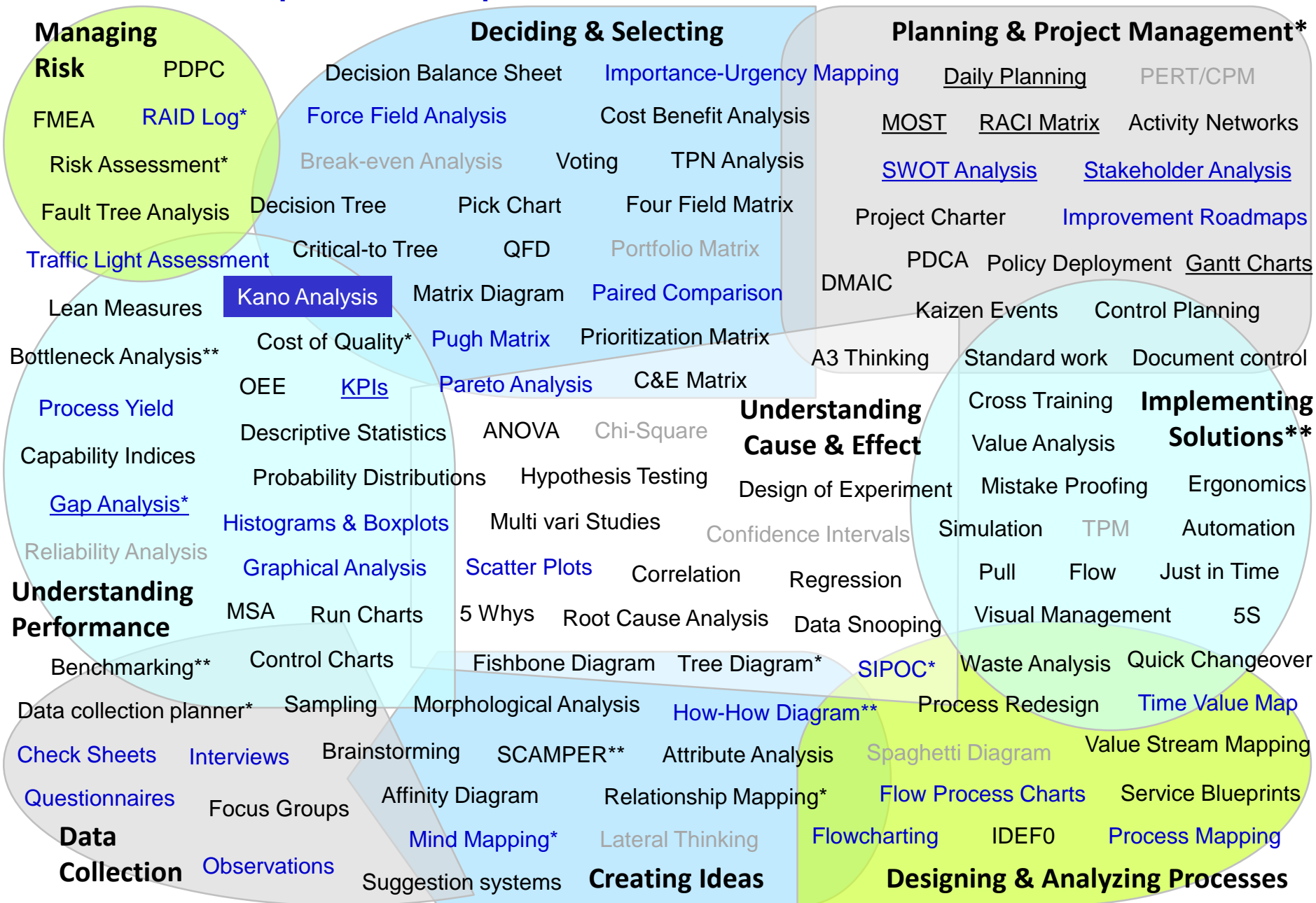


Continuous Improvement Toolkit

Kano Analysis

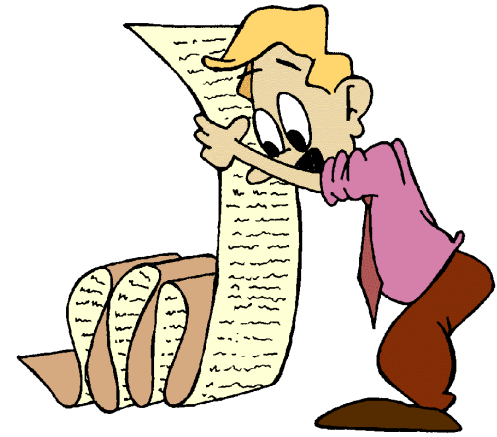


The Continuous Improvement Map



- Kano Analysis

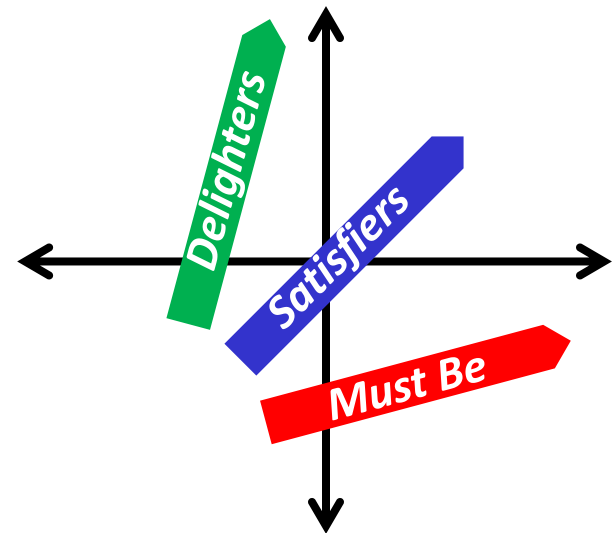
- ❑ A framework to analyze **customer needs**.
- ❑ Helps understanding how a product or service fits customer needs.
- ❑ Helps categorizing and prioritizing the different features of a product or service:
 - Based on their impact to customer satisfaction.
- ❑ Those categories are then considered when analyzing potential opportunities for improvement.



- Kano Analysis

□ The types of features that influence customer satisfaction:

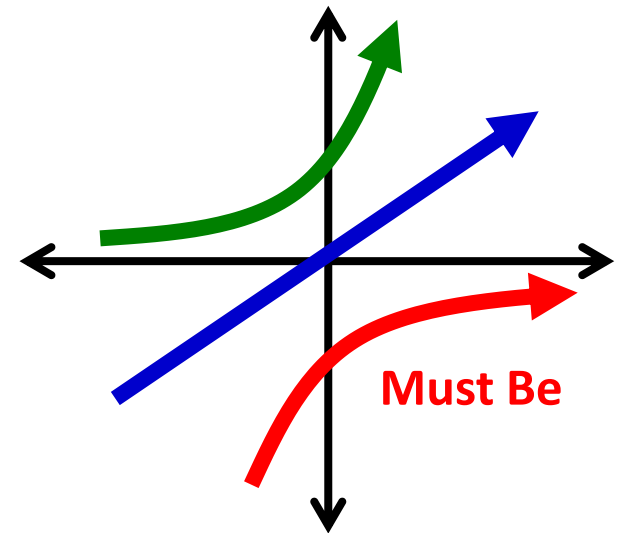
- The must be features.
- The performance features.
- The excitement features.
- The indifferent features.
- The reverse features.



- Kano Analysis

Must Be Attributes:

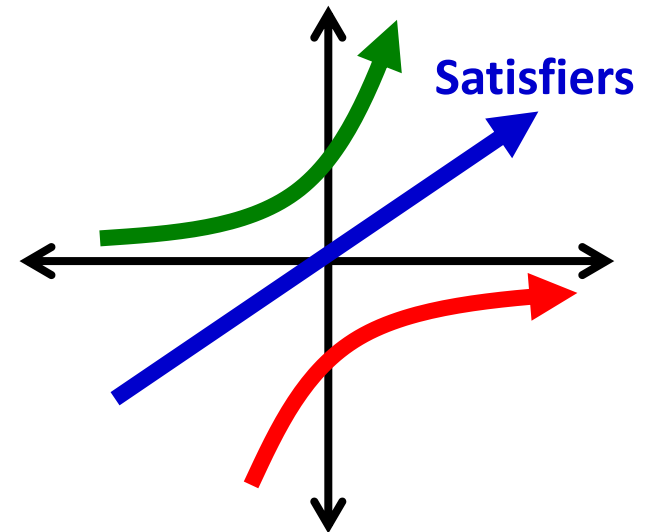
- ❑ The basic criteria and the reasonable level of quality.
- ❑ Customers take them for granted.
- ❑ If these requirements are not present or are insufficient:
 - Customers will be extremely dissatisfied.
- ❑ If they are present or are sufficient:
 - They will not bring satisfaction.
- ❑ **Examples:**
 - The timely & responsive customer service.
 - The defect-free product.
 - The brakes and the windshield of the car.



- Kano Analysis

Performance Attributes:

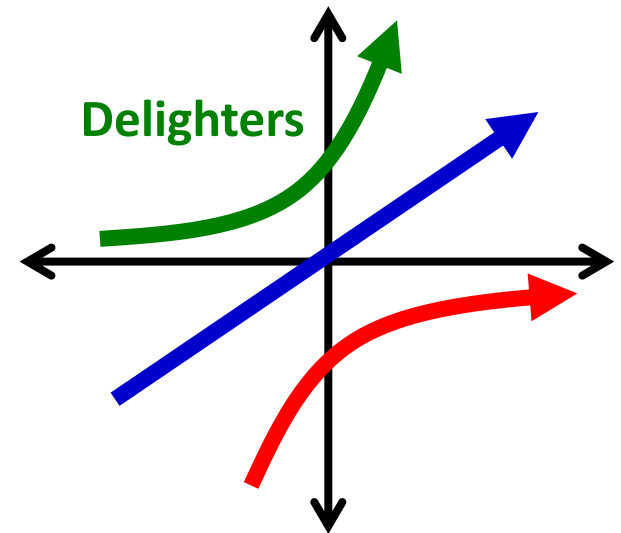
- ❑ They are not absolutely necessary.
- ❑ They result in satisfaction when fulfilled and dissatisfaction when not fulfilled.
- ❑ The more you provide, the more the customer is satisfied.
- ❑ Organizations use them to prioritize their efforts.
- ❑ **Examples:**
 - The speed of answering a phone in a call center.
 - The reduced amount of spoilage in a production line.
 - The warranty period and the fuel consumption of the car.



- Kano Analysis

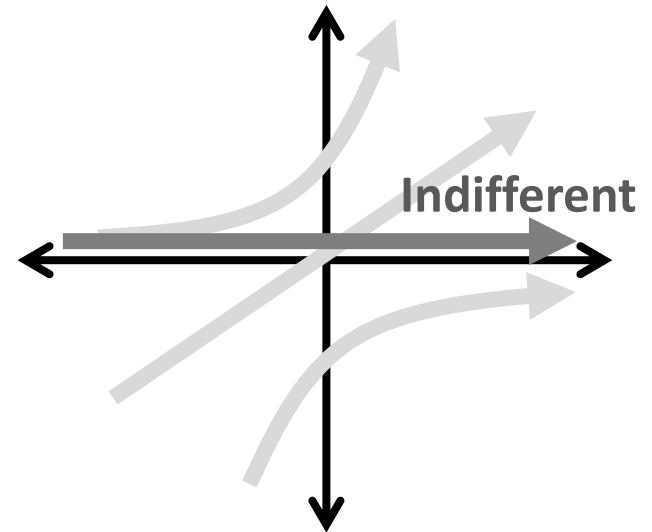
Delighters:

- ❑ Organizations should aim for giving customers more than what they expect.
- ❑ The fulfillment of them will lead to high customer satisfaction.
- ❑ They distinguish your product or service.
- ❑ **They are often:**
 - Unexpected and Unspoken.
 - Provided to the customers for no extra money.
- ❑ **An example:**
 - A basket of fruit after having booked a room in a hotel.



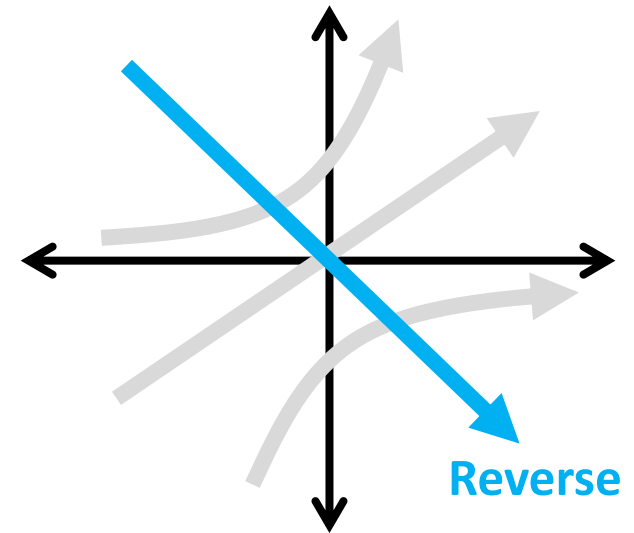
- Kano Analysis

- ❑ The **indifferent attributes** are those whose presence and absence do not bring satisfaction.
- ❑ Examples are those product features that are never or rarely used by the customer.

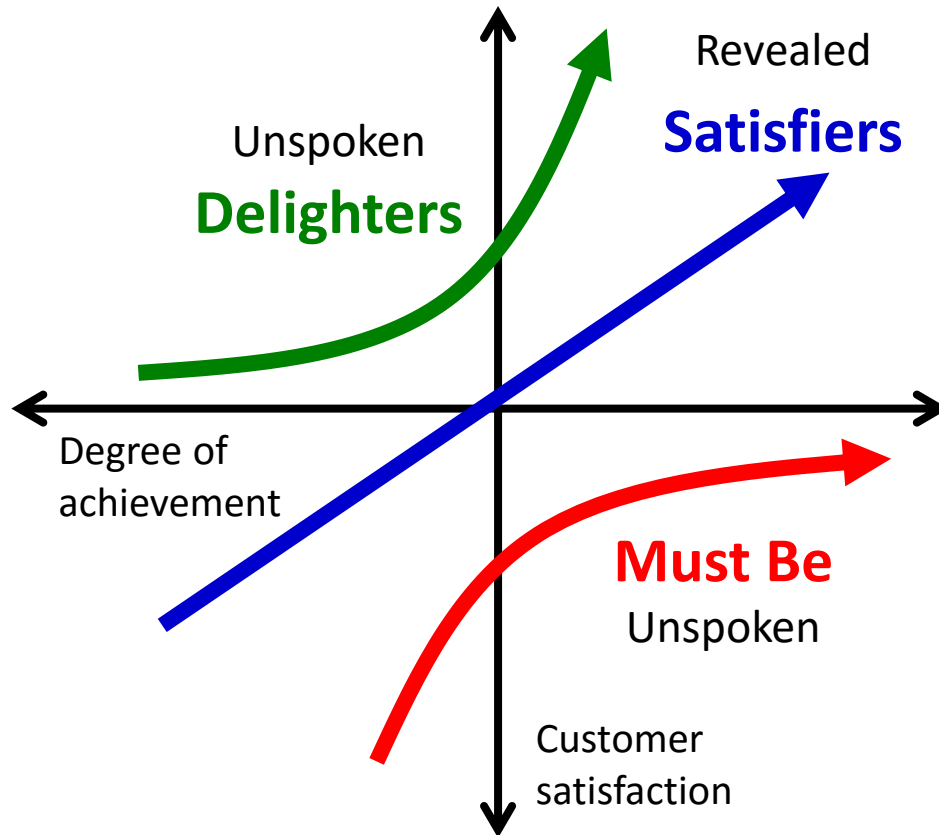


- Kano Analysis

- ❑ The **reverse attributes** are those whose presence brings dissatisfaction.
- ❑ Some customers prefer high-tech products, while others prefer the basic model of a product and will be dissatisfied if a product has too many extra features.



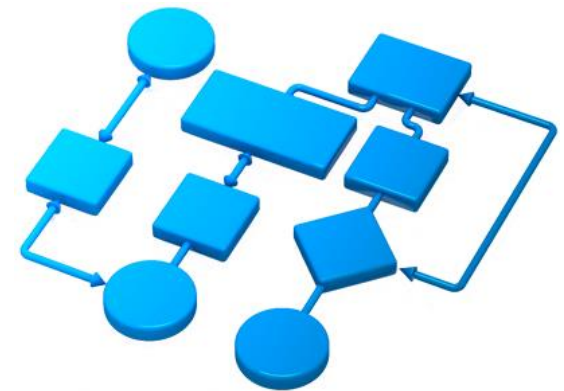
- Kano Analysis



- Kano Analysis

Using the Kano Model:

- ❑ With your team, brainstorm all of the possible features.
- ❑ Brainstorm everything you can do to excite your customers.
- ❑ Classify all features as basic, satisfier, delighter, indifferent, reverse, or not relevant.
- ❑ Cut out all the indifferent and the non-relevant attributes.
- ❑ Make sure your product has all appropriate basic features.
- ❑ Select the right performance features so that the product can be delivered at a price which the customer is ready to pay.
- ❑ Think how you can build some delighters into your product.



- Kano Analysis

Tips:

- ❑ The Kano Model highlights how the customer requirements are constantly changing.
- ❑ Today's delighters becomes tomorrow's must be's, requiring us to constantly come up with new delighters.
- ❑ It does not present methods to be applied to carry out improvement activities.
- ❑ Results of applying the Kano Model can be used in the Quality Function Deployment (QFD) matrix to clarify relationship between customer needs and technical requirements.