

Check Sheet – Several Examples

Obtaining the distribution of an item

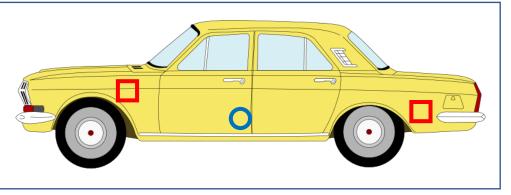
Date			6/	/1/	/20)23	3									
Product			w	idg	gei	t #	1									
Inspector			Bo	b												
Batch			A.	23												
Specified weight (grams)	Measured difference							0	bs	er	va	tic	ons	5		
	< -5	х	х	х	x	x	x									
	(-3, -5]	x	x	x	x	X	x	x	X	x						
	[-0.1, -3]	x	x	x	x	x	x	x	x	x	x	x				
139	0	x	x	x	x	X	X	x	X	x	x	x	X			
	[0.1, 3]	x	x	x	x	X	x									
	(3, 5]	x	x	x	x											
	>5	x	x	x												

Counting defective items

Date		6/1/2023								
Produ	uct	widget #2								
Batch	n	B34								
Shift Machine		Onerator	Defects observed							
Shirt	wachine	Operator	Monday	Tuesday	Wednesday	Thursday	Friday			
	А	Alan			Ш		II			
1	A	Betty		II		II				
L L	В	Carol	Ш							
	D	Dan			I	I				
	А	Eric	I		II		Ш			
2	A	Frank		II						
2	В	George			l					
	Б	Harry	П			I				

Defect location

Date	6/1/2023	
Inspector	Charles	
Vehicle	stock #8347	
lcon	Defect type	Count
	dent	II



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https://commons.wikimedia.org/wiki/File:GAZ-24_Volga.svg

Check Sheet – Notes

Slide 1

- 1. Each check sheet is designed to meet a specific need; there is no standard format.
- 2. A check sheet is not a checklist.
- 3. Check sheets are used to either gather data for subsequent analysis, or to support conclusions already obtained.
- 4. A well-defined check sheet reduces the chance that different people will collect data in different ways.
- 5. Potential failure modes of check sheets:
 - A. Making the check sheet too complicated
 - B. Not allowing operators enough time to capture all relevant information.
 - C. Not piloting or testing the check sheet before large scale deployment.
 - D. Obtaining data that will not be used.
 - E. Poor definitions of how to obtain data, resulting in missed or noisy data.
- 6. A Check Sheet is one of the "7 Basic Quality Tools": Check sheet, Control chart, Divide and Conquer, Fishbone diagram, Histogram, Pareto chart, Scatter diagram.

Slide 2

- 1. The examples show the three major types of check sheets.
- 2. Top left distribution this data is ready to be made into a histogram.
- 3. Top right counts this data is ready to be used in a Pareto analysis.