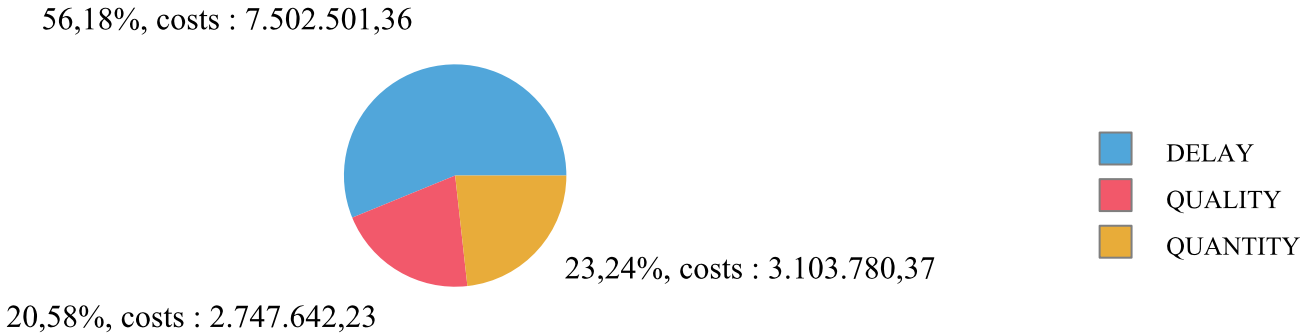
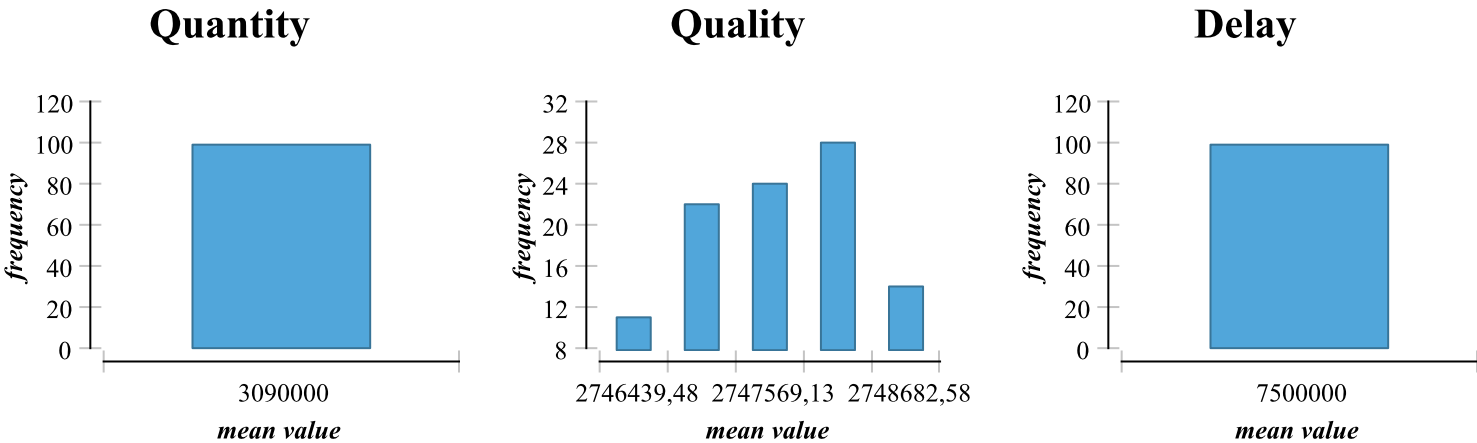


# Monte-Carlo simulation - Results analysis (detailed)

## Risk Distribution

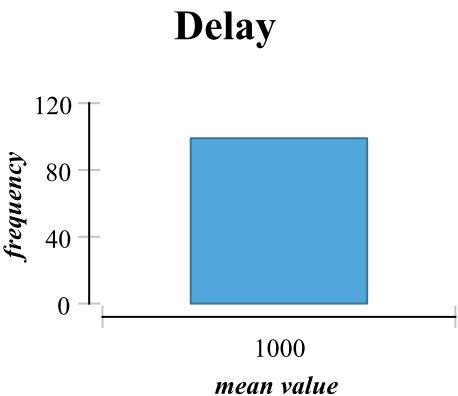
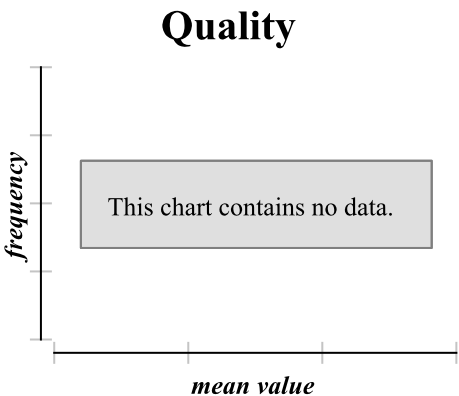
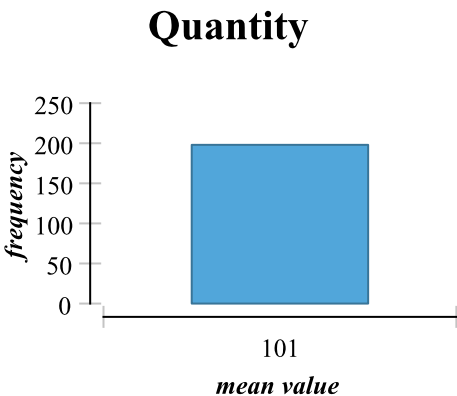


## System Risks Histograms



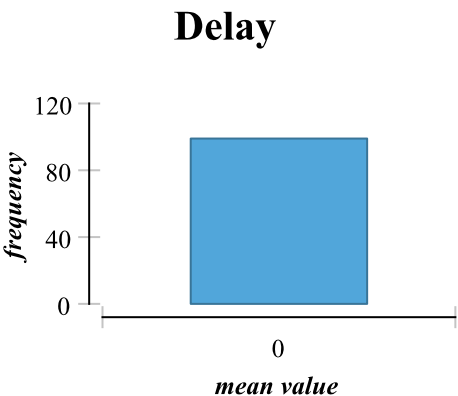
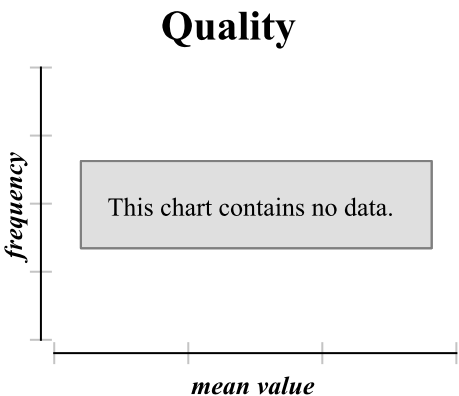
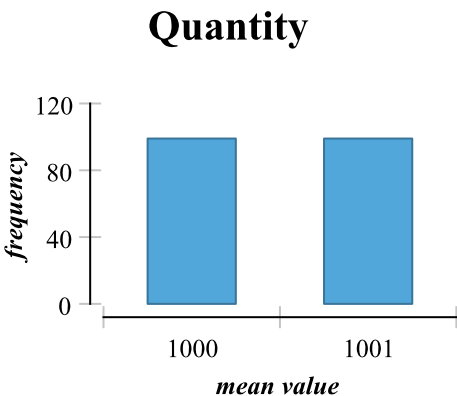
Suppliers Risks Histograms

new\_supplier 1

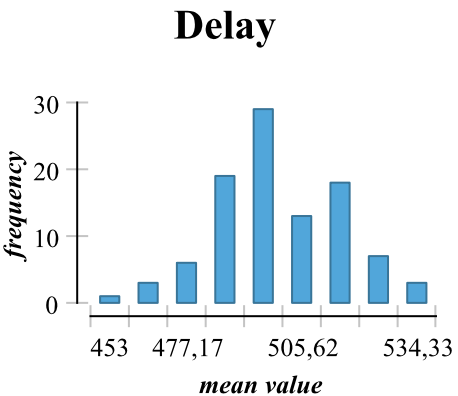
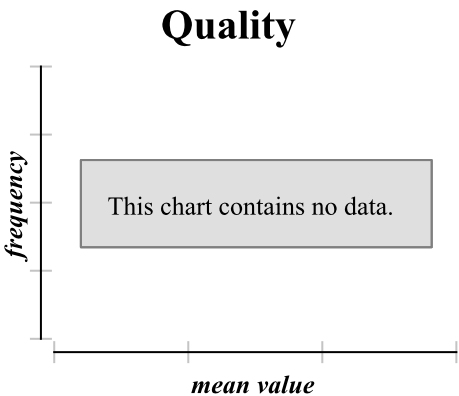
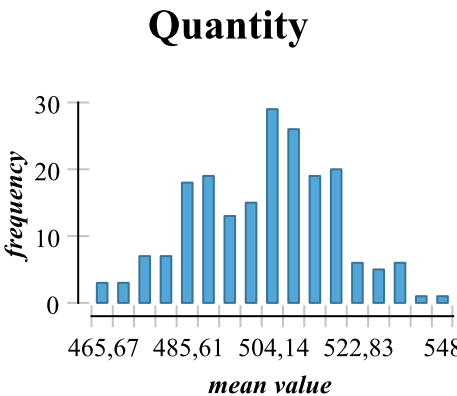


Processes Risks Histograms

new\_batch\_process 1

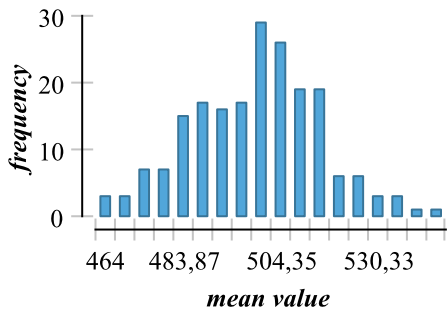


new\_batch\_process 2

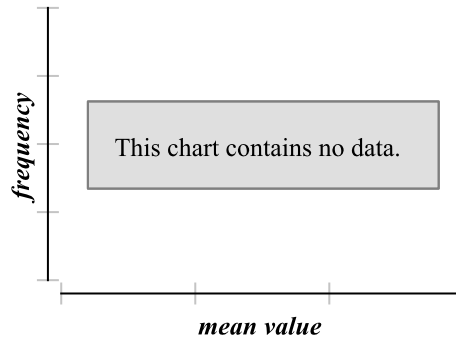


*new\_batch\_process 3*

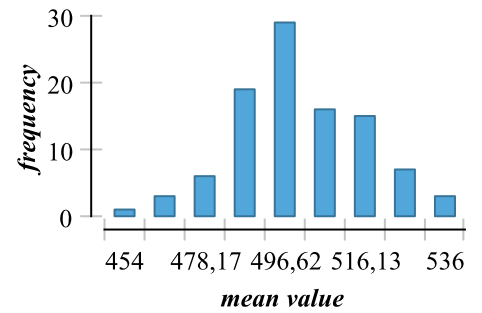
**Quantity**



**Quality**

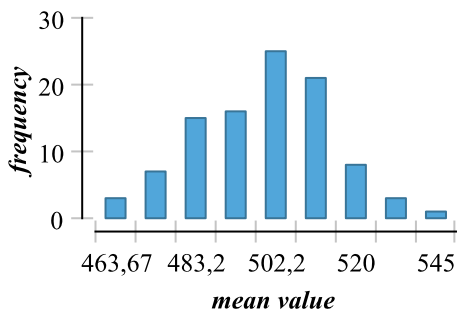


**Delay**

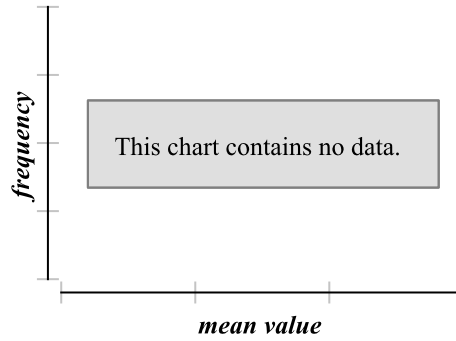


*new\_batch\_process 4*

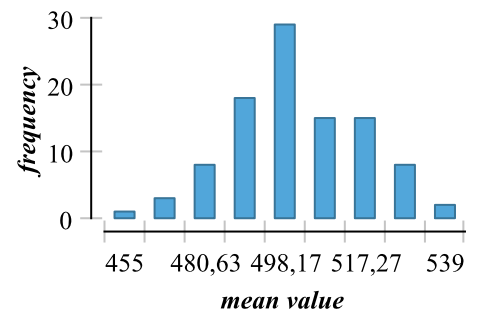
**Quantity**



**Quality**

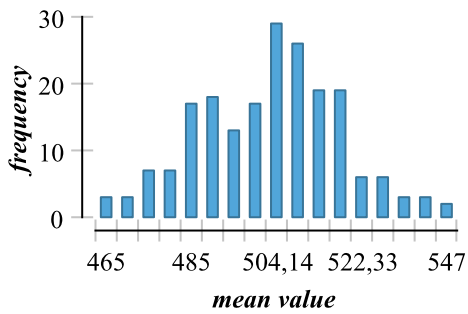


**Delay**

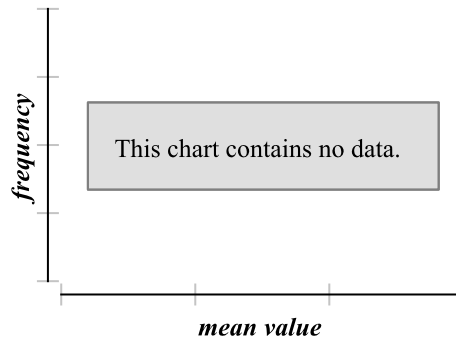


*new\_conveyor\_belt 1*

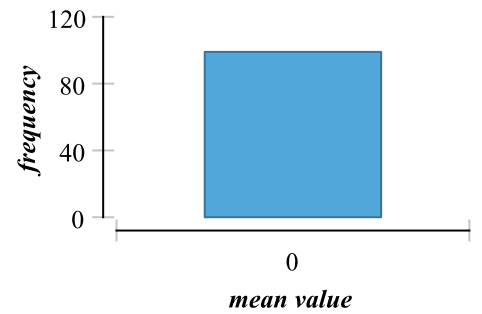
**Quantity**



**Quality**

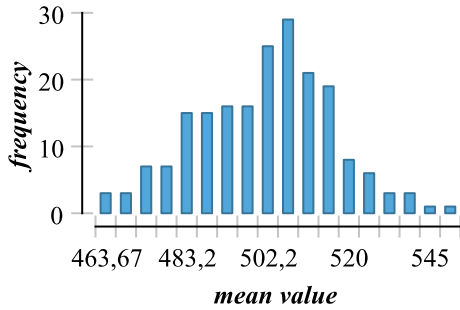


**Delay**

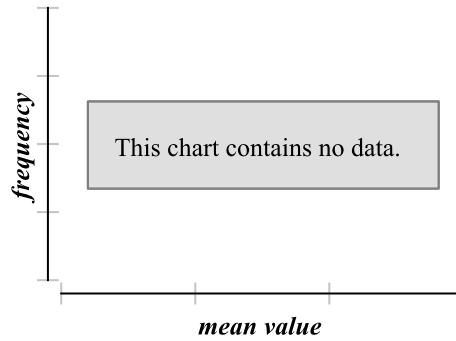


*new\_conveyor\_belt 2*

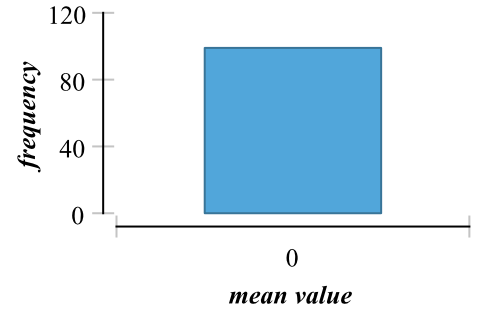
**Quantity**



**Quality**

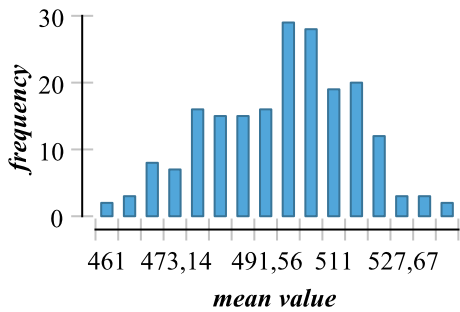


**Delay**

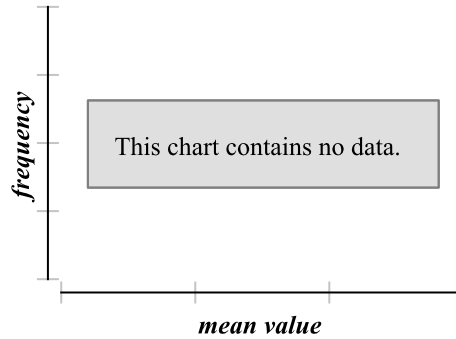


*new\_conveyor\_belt 3*

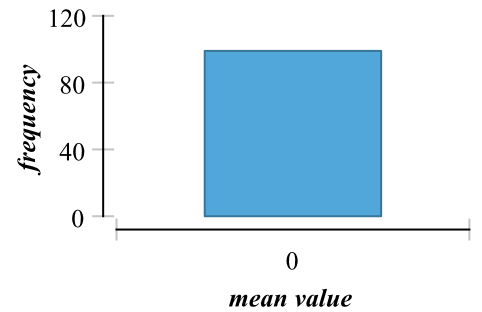
**Quantity**



**Quality**



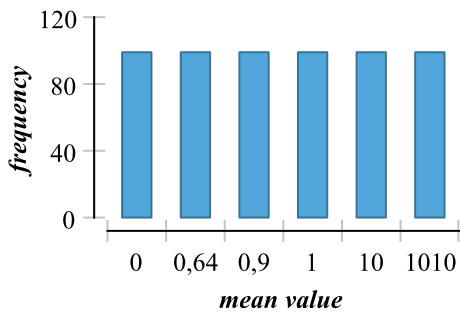
**Delay**



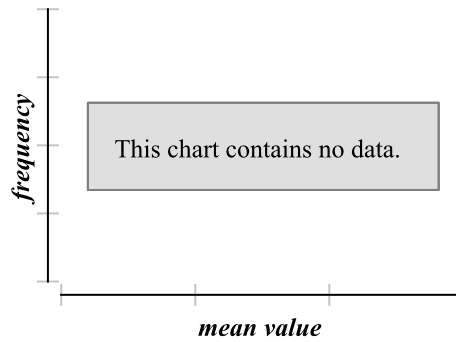
## Storages Risks Histograms

*new\_storage 1*

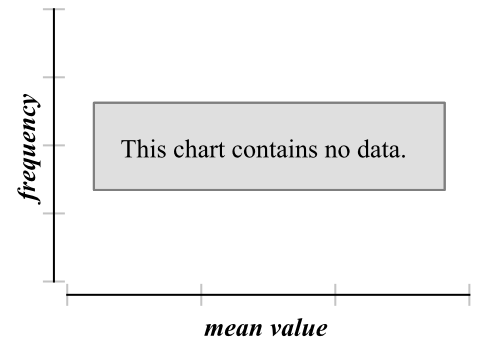
**Quantity**

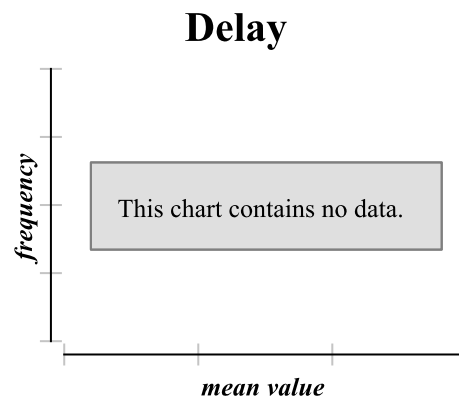
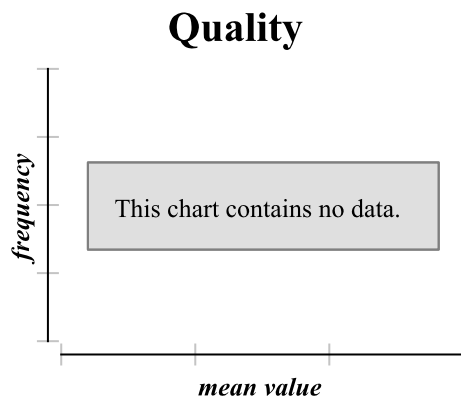
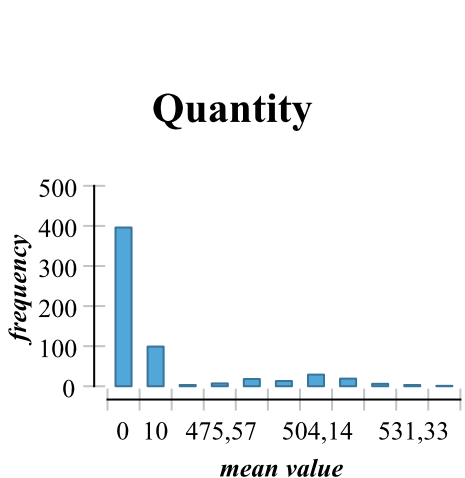
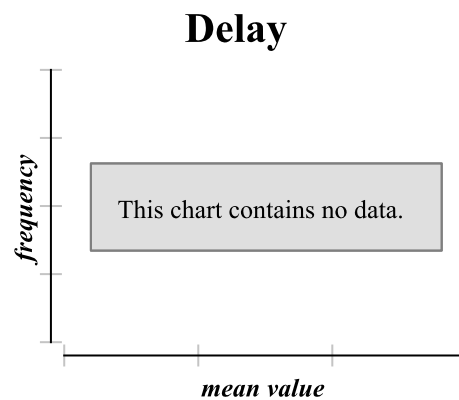
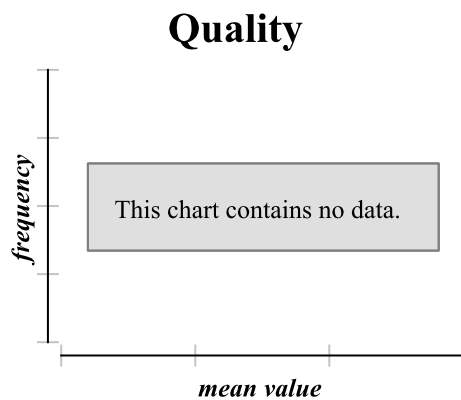
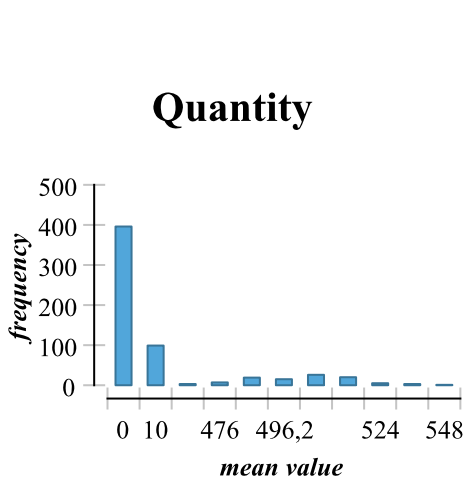
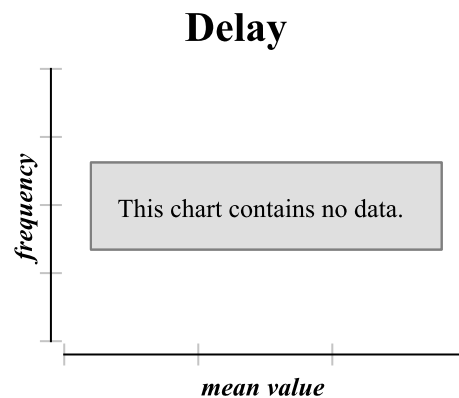
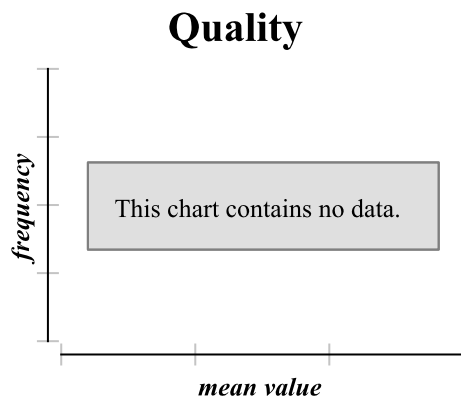
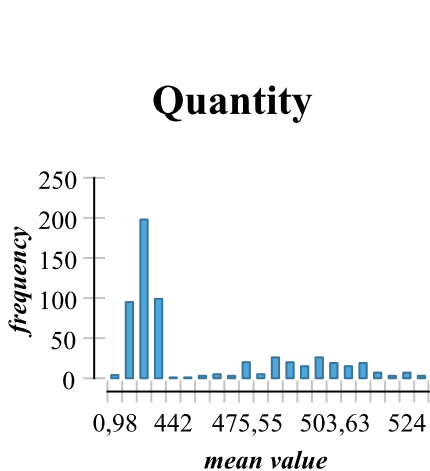


**Quality**



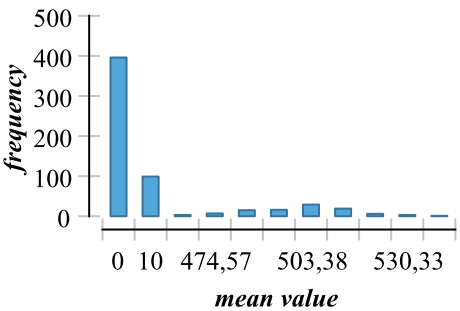
**Delay**



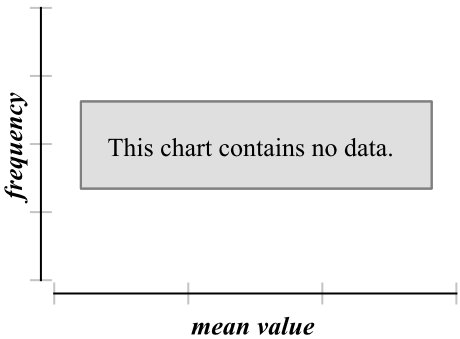


*new\_storage 5*

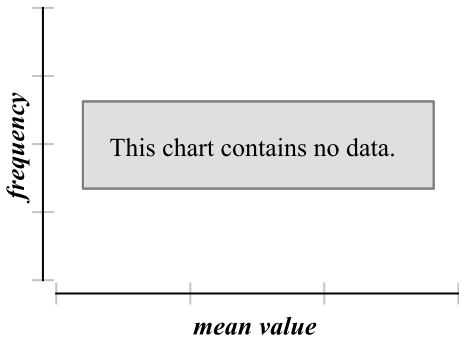
**Quantity**



**Quality**

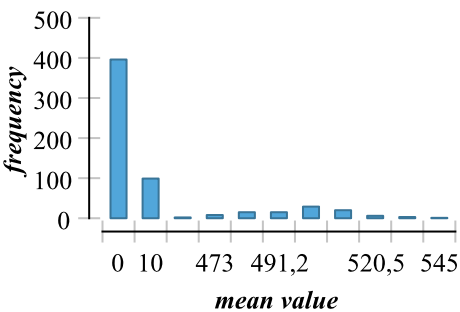


**Delay**

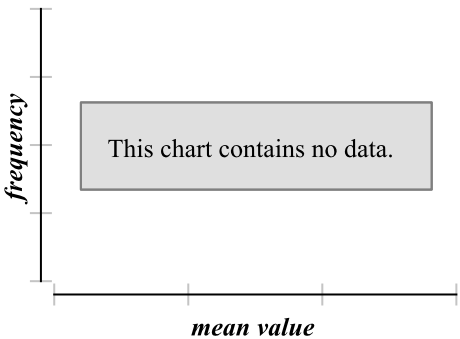


*new\_storage 6*

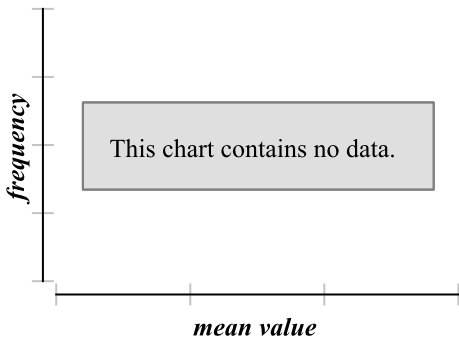
**Quantity**



**Quality**

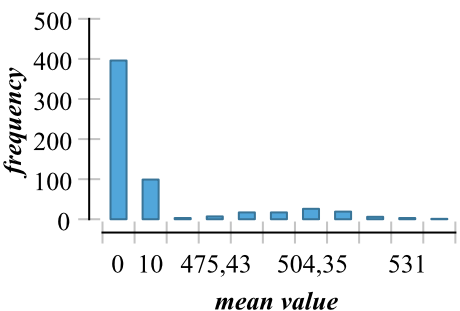


**Delay**

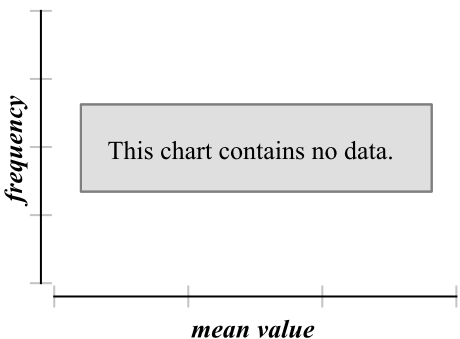


*new\_storage 7*

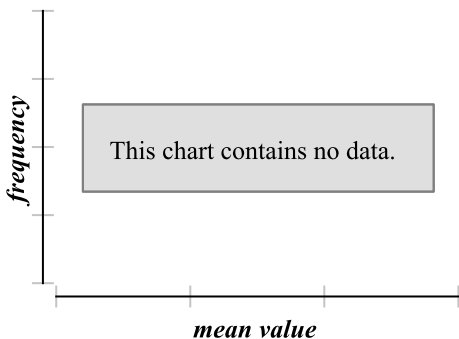
**Quantity**



**Quality**

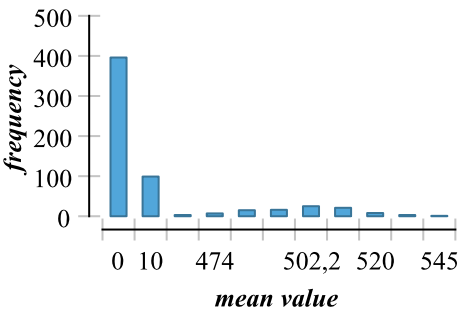


**Delay**

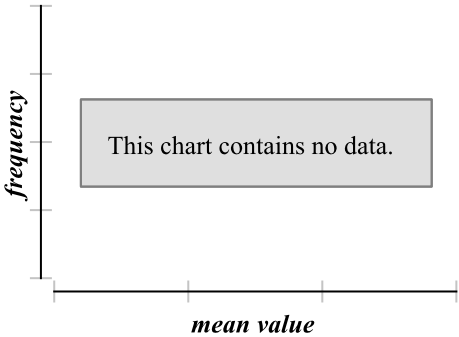


*new\_storage 8*

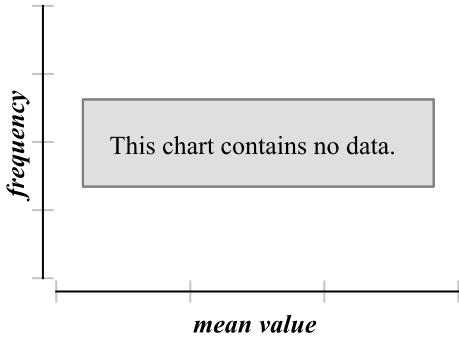
**Quantity**



**Quality**

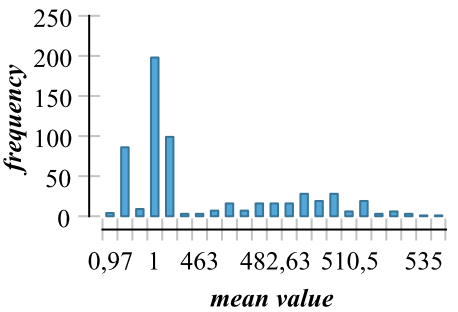


**Delay**

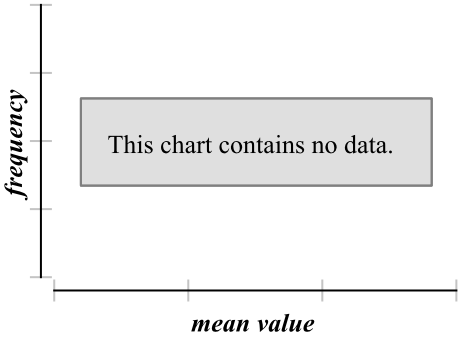


*new\_storage 9*

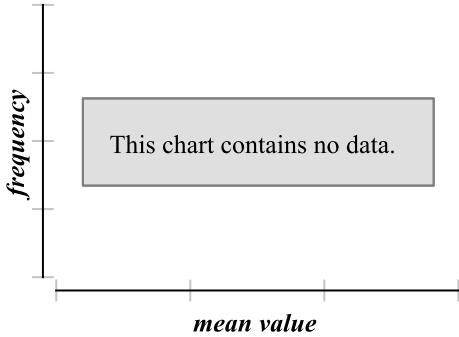
**Quantity**



**Quality**

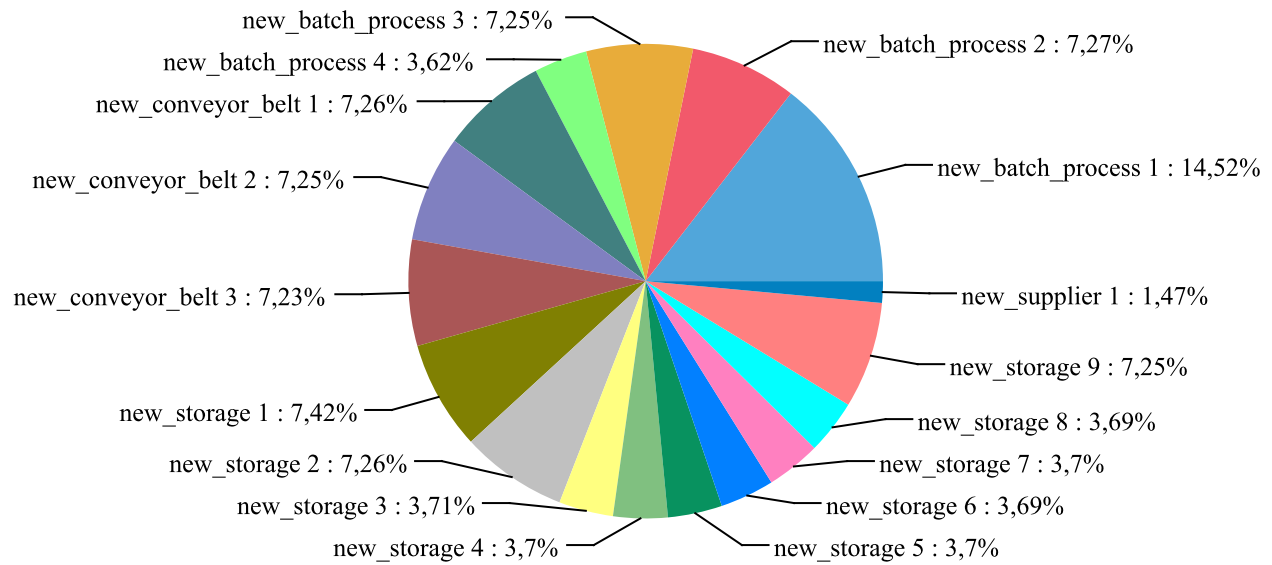


**Delay**



## Risk : Overall Visualisation

### **Place of occurence of Quantity Risk**

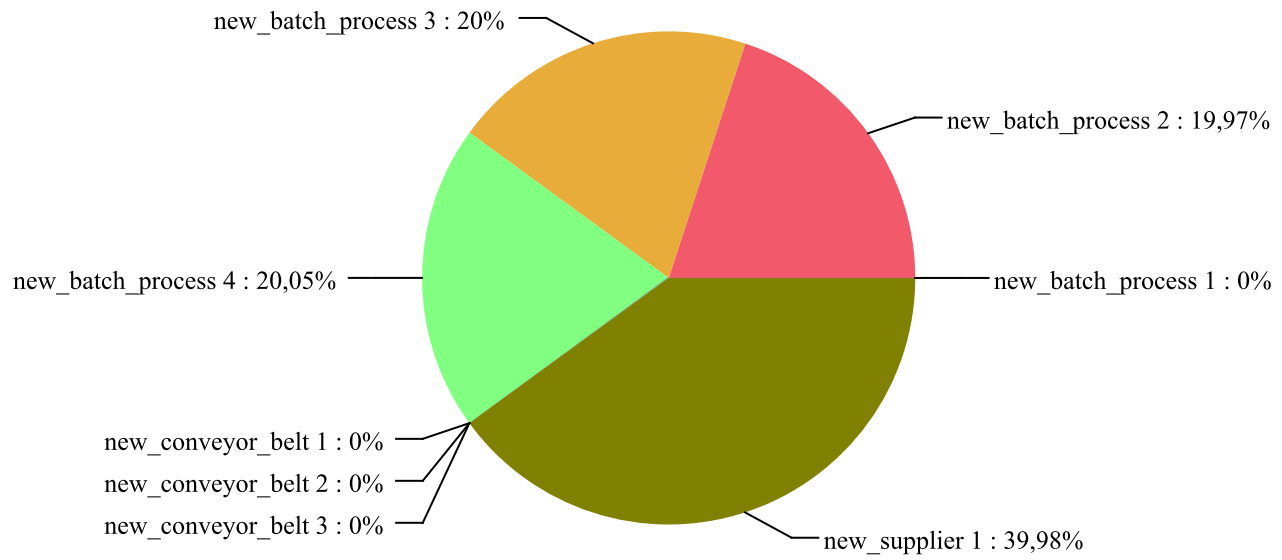


### **Place of occurence of Quality Risk**

This chart contains no data.



## Place of occurrence of Delay Risk



## Main information about elements

	ATTRIBUTE	MAX	MIN	MEAN	VARIANCE
Name	<i>new_batch_process 1</i>				
	Performed batches	1000,00	1000,00	1000	0
	Total wait duration	0,00	0,00	0	0
	Output in batch 0	548,00	463,00	501,03	0,26
	Output in batch 1	537,00	452,00	498,97	0,26
Name	<i>new_batch_process 2</i>				
	Performed batches	547,00	462,00	500,54	0,31
	Total wait duration	538,00	453,00	499,46	0,31
	Output in batch 0	547,00	462,00	500,54	0,31
	Output in batch 1	0,00	0,00	0	0
Name	<i>new_batch_process 3</i>				
	Performed batches	546,00	460,00	499,62	0,45
	Total wait duration	540,00	454,00	500,38	0,45
	Output in batch 0	546,00	460,00	499,62	0,45
	Output in batch 1	0,00	0,00	0	0
Name	<i>new_batch_process 4</i>				
	Performed batches	545,00	458,00	498,48	0,43
	Total wait duration	542,00	455,00	501,52	0,43
	Output in batch 0	545,00	458,00	498,48	0,43
	Output in batch 1	0,00	0,00	0	0
Name	<i>new_conveyor_belt 1</i>				
	Content	1,00	0,00	0,39	0
	Total input batches	547,00	462,00	500,54	0,31
	Total output batches	547,00	461,00	500,14	0,39
	Total blocked time	0,00	0,00	0	0
Name	<i>new_conveyor_belt 2</i>				
	Content	1,00	0,00	0,6	0
	Total input batches	546,00	460,00	499,62	0,45
	Total output batches	545,00	459,00	499,02	0,37
	Total blocked time	0,00	0,00	0	0
Name	<i>new_conveyor_belt 3</i>				
	Content	1,00	0,00	0,51	0
	Total input batches	545,00	458,00	498,48	0,43
	Total output batches	545,00	458,00	497,98	0,5
	Total blocked time	0,00	0,00	0	0
Name	<i>new_storage 1</i>				
	Content	9,00	9,00	9	0
	Max	10,00	10,00	10	0
	Total put	1010,00	1010,00	1010	0

	ATTRIBUTE	MAX	MIN	MEAN	VARIANCE
Name	<i>new_storage 1</i>				
	Total fetch	1001,00	1001,00	1001	0
Name	<i>new_storage 2</i>				
	Content	10,00	10,00	10	0
	Max	10,00	10,00	10	0
	Total put	537,00	452,00	498,97	0,26
	Total overflow	527,00	442,00	488,97	0,26
	Total fetch	0,00	0,00	0	0
Name	<i>new_storage 3</i>				
	Content	0,00	0,00	0	0
	Max	10,00	10,00	10	0
	Total put	548,00	463,00	501,03	0,26
	Total fetch	548,00	463,00	501,03	0,26
Name	<i>new_storage 4</i>				
	Content	0,00	0,00	0	0
	Max	10,00	10,00	10	0
	Total put	547,00	462,00	500,54	0,31
	Total fetch	547,00	462,00	500,54	0,31
Name	<i>new_storage 5</i>				
	Content	0,00	0,00	0	0
	Max	10,00	10,00	10	0
	Total put	546,00	460,00	499,62	0,45
	Total fetch	546,00	460,00	499,62	0,45
Name	<i>new_storage 6</i>				
	Content	0,00	0,00	0	0
	Max	10,00	10,00	10	0
	Total put	545,00	458,00	498,48	0,43
	Total fetch	545,00	458,00	498,48	0,43
Name	<i>new_storage 7</i>				
	Content	0,00	0,00	0	0
	Max	10,00	10,00	10	0
	Total put	547,00	461,00	500,14	0,39
	Total fetch	547,00	461,00	500,14	0,39
Name	<i>new_storage 8</i>				
	Content	0,00	0,00	0	0
	Max	10,00	10,00	10	0
	Total put	545,00	459,00	499,02	0,37
	Total fetch	545,00	459,00	499,02	0,37

	ATTRIBUTE	MAX	MIN	MEAN	VARIANCE
Name	<i>new_storage 9</i>				
	Content	10,00	10,00	10	0
	Max	10,00	10,00	10	0
	Total put	545,00	458,00	497,98	0,5
	Total overflow	535,00	448,00	487,98	0,5
	Total fetch	0,00	0,00	0	0
Name	<i>new_supplier 1</i>				
	Performed batches	101,00	101,00	101	0
	Total wait duration	1000,00	1000,00	1000	0

## Further information (queries results)

NAME	TYPE	MAX	MIN	MEAN	VARIANCE
<b>Batch Process</b>					
<i>new_batch_process 1</i>					
new_batch_process 1 : Total Idle time	DELAY	0,00	0,00	0	0
new_batch_process 1 : Number of completed batches	QUANTITY	1000,00	1000,00	1000	0
new_batch_process 1 : Number of started batches	QUANTITY	1001,00	1001,00	1001	0
<i>new_batch_process 2</i>					
new_batch_process 2 : Total Idle time	DELAY	538,00	453,00	499,46	0,31
new_batch_process 2 : Number of started batches	QUANTITY	548,00	463,00	501,03	0,26
new_batch_process 2 : Number of completed batches	QUANTITY	547,00	462,00	500,54	0,31
<i>new_batch_process 3</i>					
new_batch_process 3 : Number of started batches	QUANTITY	547,00	461,00	500,14	0,39
new_batch_process 3 : Total Idle time	DELAY	540,00	454,00	500,38	0,45
new_batch_process 3 : Number of completed batches	QUANTITY	546,00	460,00	499,62	0,45
<i>new_batch_process 4</i>					
new_batch_process 4 : Total Idle time	DELAY	542,00	455,00	501,52	0,43
new_batch_process 4 : Number of started batches	QUANTITY	545,00	459,00	499,02	0,37
<i>new_conveyor_belt 1</i>					
new_conveyor_belt 1 : Total Idle time	DELAY	0,00	0,00	0	0
new_conveyor_belt 1 : Number of completed batches	QUANTITY	547,00	461,00	500,14	0,39
new_conveyor_belt 1 : Number of started batches	QUANTITY	547,00	462,00	500,54	0,31
<i>new_conveyor_belt 2</i>					
new_conveyor_belt 2 : Total Idle time	DELAY	0,00	0,00	0	0
new_conveyor_belt 2 : Number of completed batches	QUANTITY	545,00	459,00	499,02	0,37
new_conveyor_belt 2 : Number of started batches	QUANTITY	546,00	460,00	499,62	0,45
<i>new_conveyor_belt 3</i>					
new_conveyor_belt 3 : Number of started batches	QUANTITY	545,00	458,00	498,48	0,43
new_conveyor_belt 3 : Number of completed batches	QUANTITY	545,00	458,00	497,98	0,5
new_conveyor_belt 3 : Total Idle time	DELAY	0,00	0,00	0	0

NAME	TYPE	MAX	MIN	MEAN	VARIANCE
<b>Storage</b>					
<i>new_storage 1</i>					
new_storage 1 : Capacity utilisation	QUANTITY	0,90	0,90	0,9	0
new_storage 1 : Total input	QUANTITY	1010,00	1010,00	1010	0
new_storage 1 : Capacity	QUANTITY	10,00	10,00	10	0
new_storage 1 : Minimum relative stock level	QUANTITY	0,00	0,00	0	0
new_storage 1 : Maximum relative stock level	QUANTITY	1,00	1,00	1	0
new_storage 1 : Average relative stock level	QUANTITY	0,64	0,64	0,64	0
<i>new_storage 2</i>					
new_storage 2 : Total input	QUANTITY	537,00	452,00	498,97	0,26
new_storage 2 : Average relative stock level	QUANTITY	0,99	0,98	0,99	0
new_storage 2 : Capacity	QUANTITY	10,00	10,00	10	0
new_storage 2 : Total lost by overflow	QUANTITY	527,00	442,00	488,97	0,26
new_storage 2 : Maximum relative stock level	QUANTITY	1,00	1,00	1	0
new_storage 2 : Capacity utilisation	QUANTITY	1,00	1,00	1	0
<i>new_storage 3</i>					
new_storage 3 : Average relative stock level	QUANTITY	0,00	0,00	0	0
new_storage 3 : Maximum relative stock level	QUANTITY	0,00	0,00	0	0
new_storage 3 : Capacity	QUANTITY	10,00	10,00	10	0
new_storage 3 : Minimum relative stock level	QUANTITY	0,00	0,00	0	0
new_storage 3 : Capacity utilisation	QUANTITY	0,00	0,00	0	0
new_storage 3 : Total input	QUANTITY	548,00	463,00	501,03	0,26
<i>new_storage 4</i>					
new_storage 4 : Maximum relative stock level	QUANTITY	0,00	0,00	0	0
new_storage 4 : Minimum relative stock level	QUANTITY	0,00	0,00	0	0
new_storage 4 : Average relative stock level	QUANTITY	0,00	0,00	0	0
new_storage 4 : Capacity	QUANTITY	10,00	10,00	10	0
new_storage 4 : Capacity utilisation	QUANTITY	0,00	0,00	0	0
new_storage 4 : Total input	QUANTITY	547,00	462,00	500,54	0,31
<i>new_storage 5</i>					

NAME	TYPE	MAX	MIN	MEAN	VARIANCE
new_storage 5 : Total input	QUANTITY	546,00	460,00	499,62	0,45
new_storage 5 : Capacity	QUANTITY	10,00	10,00	10	0
new_storage 5 : Minimum relative stock level	QUANTITY	0,00	0,00	0	0
new_storage 5 : Maximum relative stock level	QUANTITY	0,00	0,00	0	0
new_storage 5 : Capacity utilisation	QUANTITY	0,00	0,00	0	0
new_storage 5 : Average relative stock level	QUANTITY	0,00	0,00	0	0

*new\_storage 6*

new_storage 6 : Capacity utilisation	QUANTITY	0,00	0,00	0	0
new_storage 6 : Total input	QUANTITY	545,00	458,00	498,48	0,43
new_storage 6 : Capacity	QUANTITY	10,00	10,00	10	0
new_storage 6 : Average relative stock level	QUANTITY	0,00	0,00	0	0
new_storage 6 : Minimum relative stock level	QUANTITY	0,00	0,00	0	0
new_storage 6 : Maximum relative stock level	QUANTITY	0,00	0,00	0	0

*new\_storage 7*

new_storage 7 : Capacity	QUANTITY	10,00	10,00	10	0
new_storage 7 : Maximum relative stock level	QUANTITY	0,00	0,00	0	0
new_storage 7 : Total input	QUANTITY	547,00	461,00	500,14	0,39
new_storage 7 : Average relative stock level	QUANTITY	0,00	0,00	0	0
new_storage 7 : Capacity utilisation	QUANTITY	0,00	0,00	0	0
new_storage 7 : Minimum relative stock level	QUANTITY	0,00	0,00	0	0

*new\_storage 8*

new_storage 8 : Maximum relative stock level	QUANTITY	0,00	0,00	0	0
new_storage 8 : Total input	QUANTITY	545,00	459,00	499,02	0,37
new_storage 8 : Average relative stock level	QUANTITY	0,00	0,00	0	0
new_storage 8 : Capacity utilisation	QUANTITY	0,00	0,00	0	0
new_storage 8 : Capacity	QUANTITY	10,00	10,00	10	0
new_storage 8 : Minimum relative stock level	QUANTITY	0,00	0,00	0	0

*new\_storage 9*

new_storage 9 : Total lost by overflow	QUANTITY	535,00	448,00	487,98	0,5
new_storage 9 : Capacity utilisation	QUANTITY	1,00	1,00	1	0
new_storage 9 : Total input	QUANTITY	545,00	458,00	497,98	0,5

NAME	TYPE	MAX	MIN	MEAN	VARIANCE
new_storage 9 : Capacity	QUANTITY	10,00	10,00	10	0
new_storage 9 : Maximum relative stock level	QUANTITY	1,00	1,00	1	0
new_storage 9 : Average relative stock level	QUANTITY	0,99	0,97	0,98	0

Supplier					
<i>new_supplier 1</i>					
new_supplier 1 : Number of started batches	QUANTITY	101,00	101,00	101	0
new_supplier 1 : Number of completed batches	QUANTITY	101,00	101,00	101	0
new_supplier 1 : Total Idle time	DELAY	1000,00	1000,00	1000	0