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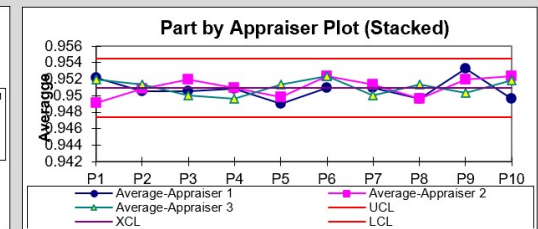
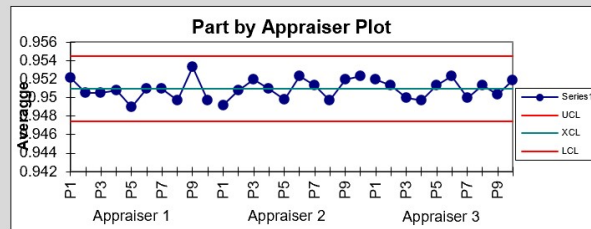
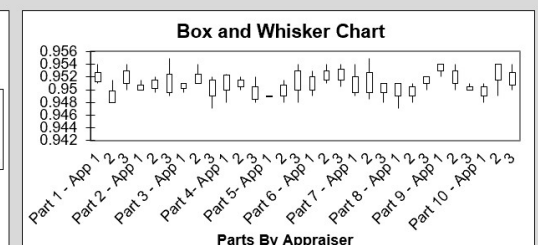
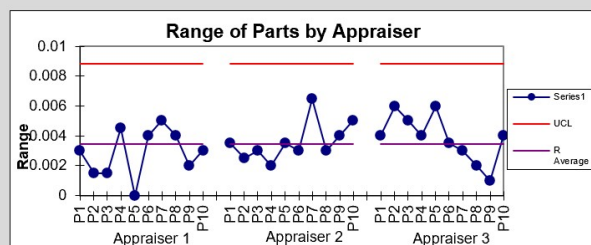
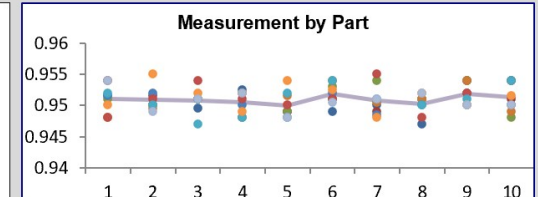
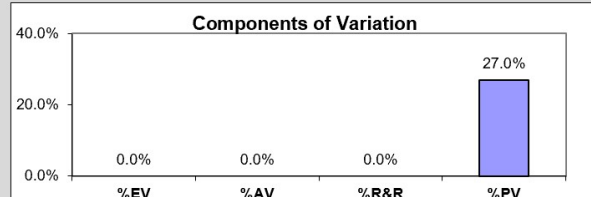
B2 | fx

	B	C	D	E	F	G	H	I	J	K	L	M	
1													
2		P1	P2	P3	P4	P5	P6	P7	P8	P9	P10		
3	Trial 1	0.9515	0.95	0.9495	0.9525	0.949	0.949	0.95	0.947	0.954	0.95		
4	Trial2	0.954	0.9515	0.951	0.948	0.949	0.951	0.949	0.951	0.952	0.951		
5	Trial3	0.951	0.95	0.951	0.952	0.949	0.953	0.954	0.951	0.954	0.948		
6	Trial4											Reference	
7	Trial 5											0.951	
8	Trial 1	0.948	0.9495	0.951	0.952	0.9515	0.954	0.9505	0.951	0.954	0.949		
9	Trial2	0.9515	0.952	0.951	0.95	0.948	0.952	0.9485	0.95	0.95	0.954		
10	Trial3	0.948	0.951	0.954	0.951	0.95	0.951	0.955	0.948	0.952	0.954		
11	Trial4											Reference	
12	Trial 5											0.951	
13	Trial 1	0.952	0.95	0.947	0.948	0.952	0.954	0.951	0.95	0.951	0.954		
14	Trial2	0.95	0.955	0.952	0.949	0.954	0.9525	0.948	0.952	0.95	0.9515		
15	Trial3	0.954	0.949	0.951	0.952	0.948	0.9505	0.951	0.952	0.95	0.95		
16	Trial4											Reference	
17	Trial 5											0.951	
45	0.008	AIAG - Automotive Industry Action Group Formulas					USL	0.955	LSL	0.947	0.950944	Xbar	
46	0.006												

### How do I perform a Gage R&R Study?

### Gage R&R Instructions

<b>Gage Name:</b>	Mitutoyo Dial Caliper	<b>Reported By:</b>	Tyler Bray
<b>Date:</b>	11/15/2024	<b>Tolerance:</b>	0.945" to 0.955"
<b>Misc:</b>		<b>Misc:</b>	U.S. Quarter



**NDC<5 - Not enough Part Variation! See Instructions in cell S1 or tab.**

	% Using TV	% Using Tolerance	% Using HV
47	0	N/A	1
49	0	N/A	1
50	0.0020		0.0020
51	<b>NDC&lt;5</b>	<b>152.1%</b>	<b>NDC&lt;5</b>
52	0.00034		0.00034
53	<b>NDC&lt;5</b>	<b>25.5%</b>	<b>NDC&lt;5</b>
54	0.0021		0.0021
55	<b>NDC&lt;5</b>	<b>154.3%</b>	<b>NDC&lt;5</b>
56	0.0006		0.0018
57	27.0%	43%	179.7%
58	0.0021		0.0010

Wheeler GageR&R		
%EV	90%	0.00 H2
		0.00 H3
%AV	3%	0.00 H4
		0.00 H5
%R&R	93%	0.00 H6
		-0.004 H7
%PV	7%	1.004 H8
		0.228 H9
		0.772 H10
		0.233 H11
		First H12
		0.00 H13
		18.60 H14

Anova			With Interaction		Without Interaction	
df	SS	MS	F	P	F	P
2	0.0000	0.0000	0.183168	0.834	0.182194	0.834
9	0.0000	3.48E-06	0.884803	0.556	0.880095	0.547
18	0.0001	4.02E-06	1.023181	0.449		
60	0.0002	0.0000	<b>Use Without Interaction</b>		Constant	
66	78	0.0003				6
67	89	0.000341				

Without Interaction **NDC 0** | Total Variation | With Interaction **NDC 0** | Total Variation