

Cross Tab Kappa Report For Gage ID: Attrib_01

Gage ID	Attrib_01	Study Date	19/02/2016	Parts	50	Upper Specification	-
Gage Type	Plug Gage	Study By	-	Appraiser(s)	3	Lower Specification	-
Part No / Name	-	Characteristic	-	Trials	3		-

R&R Method = Cross Tab Kappa

Data Entry Mode = 1/0

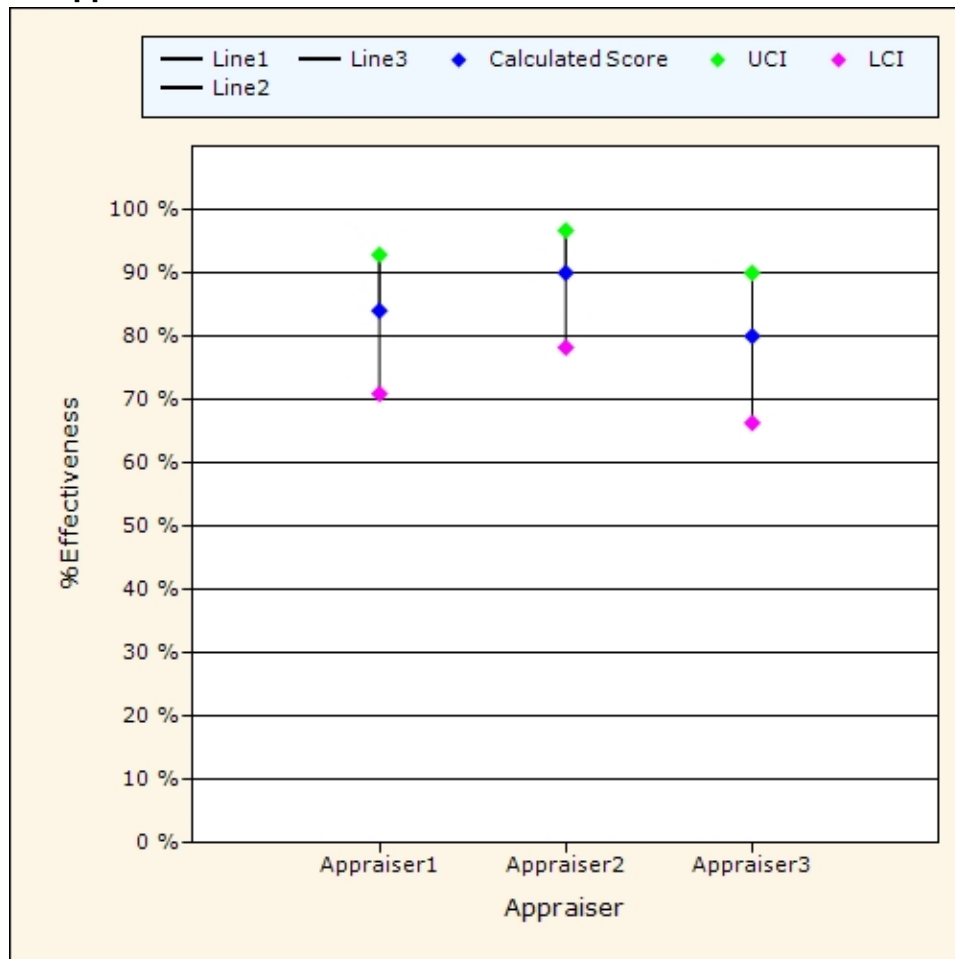
Kappa Calculations

Kappa	Appraiser1	Appraiser2	Appraiser3
Appraiser1	-	0.863	0.776
Appraiser2	0.863	-	0.788
Appraiser3	0.776	0.788	-
Ref	0.879	0.923	0.774

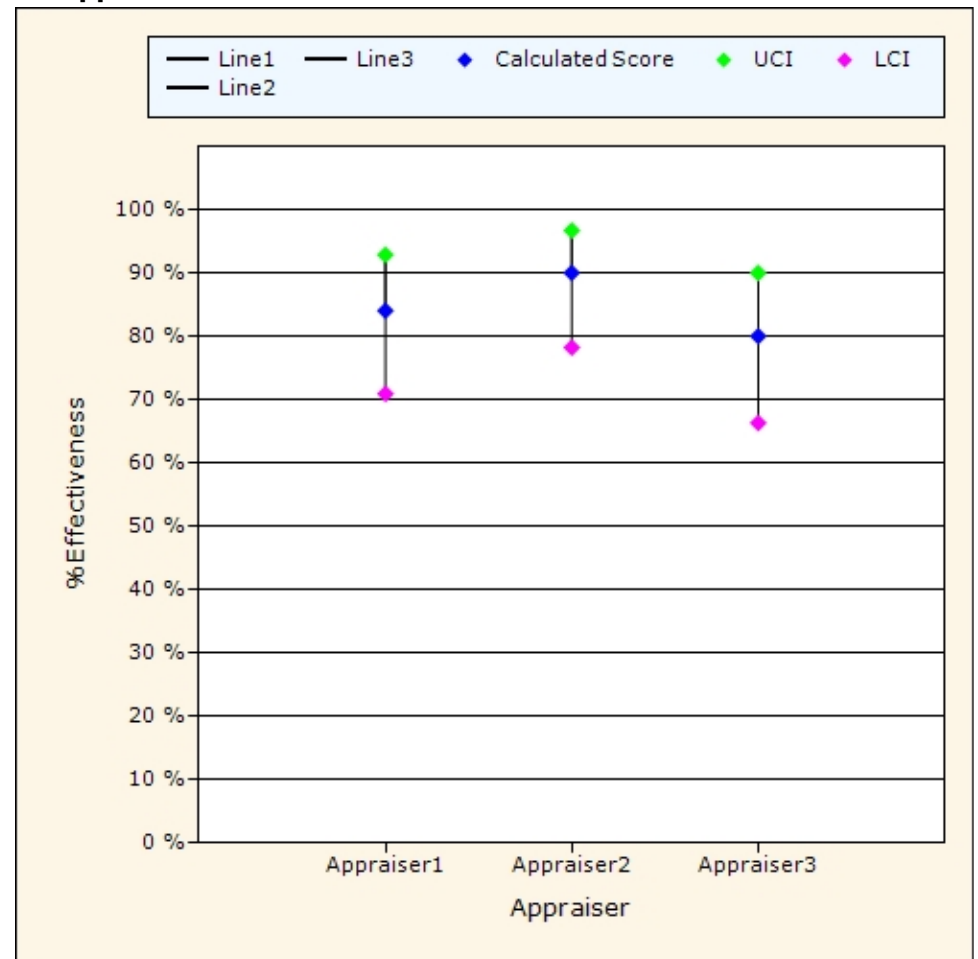
Effectiveness Summary

	Effectiveness	Miss Rate	False Alarm Rate
Appraiser1	84.00%	6.25%	4.90%
Appraiser2	90.00%	6.25%	1.96%
Appraiser3	80.00%	12.50%	8.82%

% Appraiser to Self



% Appraiser Vs Reference



Cross Tab Kappa Report For Gage ID: Attrib_01

Gage ID	Attrib_01	Study Date	19/02/2016	Parts	50	Upper Specification	-
Gage Type	Plug Gage	Study By	-	Appraiser(s)	3	Lower Specification	-
Part No / Name	-	Characteristic	-	Trials	3		-

Cross Tab Kappa Data

Parts/Trial	Appraiser1			Appraiser2			Appraiser3			Reference	Code
	Trial - 1	Trial - 2	Trial - 3	Trial - 1	Trial - 2	Trial - 3	Trial - 1	Trial - 2	Trial - 3		
1	1	1	1	1	1	1	1	1	1	1	+
2	1	1	1	1	1	1	1	1	1	1	+
3	0	0	0	0	0	0	0	0	0	0	-
4	0	0	0	0	0	0	0	0	0	0	-
5	0	0	0	0	0	0	0	0	0	0	-
6	1	1	0	1	1	0	1	0	0	1	x
7	1	1	1	1	1	1	1	0	1	1	x
8	1	1	1	1	1	1	1	1	1	1	+
9	0	0	0	0	0	0	0	0	0	0	-
10	1	1	1	1	1	1	1	1	1	1	+
11	1	1	1	1	1	1	1	1	1	1	+
12	0	0	0	0	0	0	0	1	0	0	x
13	1	1	1	1	1	1	1	1	1	1	+
14	1	1	0	1	1	1	1	0	0	1	x
15	1	1	1	1	1	1	1	1	1	1	+
16	1	1	1	1	1	1	1	1	1	1	+
17	1	1	1	1	1	1	1	1	1	1	+
18	1	1	1	1	1	1	1	1	1	1	+
19	1	1	1	1	1	1	1	1	1	1	+
20	1	1	1	1	1	1	1	1	1	1	+
21	1	1	0	1	0	1	0	1	0	1	x
22	0	0	1	0	1	0	1	1	0	0	x
23	1	1	1	1	1	1	1	1	1	1	+
24	1	1	1	1	1	1	1	1	1	1	+
25	0	0	0	0	0	0	0	0	0	0	-
26	0	1	0	0	0	0	0	0	1	0	x
27	1	1	1	1	1	1	1	1	1	1	+
28	1	1	1	1	1	1	1	1	1	1	+
29	1	1	1	1	1	1	1	1	1	1	+
30	0	0	0	0	0	1	0	0	0	0	x
31	1	1	1	1	1	1	1	1	1	1	+
32	1	1	1	1	1	1	1	1	1	1	+
33	1	1	1	1	1	1	1	1	1	1	+
34	0	0	1	0	0	1	0	1	1	0	x
35	1	1	1	1	1	1	1	1	1	1	+
36	1	1	0	1	1	1	1	0	1	1	x
37	0	0	0	0	0	0	0	0	0	0	-
38	1	1	1	1	1	1	1	1	1	1	+
39	0	0	0	0	0	0	0	0	0	0	-
40	1	1	1	1	1	1	1	1	1	1	+
41	1	1	1	1	1	1	1	1	1	1	+
42	0	0	0	0	0	0	0	0	0	0	-
43	1	0	1	1	1	1	1	1	0	1	x
44	1	1	1	1	1	1	1	1	1	1	+
45	0	0	0	0	0	0	0	0	0	0	-
46	1	1	1	1	1	1	1	1	1	1	+
47	1	1	1	1	1	1	1	1	1	1	+
48	0	0	0	0	0	0	0	0	0	0	-
49	1	1	1	1	1	1	1	1	1	1	+
50	0	0	0	0	0	0	0	0	0	0	-

Cross Tab Kappa Report For Gage ID: Attrib_01

Gage ID	Attrib_01	Study Date	19/02/2016	Parts	50	Upper Specification	-
Gage Type	Plug Gage	Study By	-	Appraiser(s)	3	Lower Specification	-
Part No / Name	-	Characteristic	-	Trials	3		-

Cross Tabulation

Appraiser1 * Appraiser2					
			Appraiser2		Total
			0	1	
Appraiser1	0	Count	44	6	50
		Expected	15.67	34.33	50.00
	1	Count	3	97	100
		Expected	31.33	68.67	100.00
Total		Count	47	103	150
		Expected	47.00	103.00	150.00

Appraiser1 * Appraiser3					
			Appraiser3		Total
			0	1	
Appraiser1	0	Count	43	7	50
		Expected	17.00	33.00	50.00
	1	Count	8	92	100
		Expected	34.00	66.00	100.00
Total		Count	51	99	150
		Expected	51.00	99.00	150.00

Appraiser2 * Appraiser3					
			Appraiser3		Total
			0	1	
Appraiser2	0	Count	42	5	47
		Expected	15.98	31.02	47.00
	1	Count	9	94	103
		Expected	35.02	67.98	103.00
Total		Count	51	99	150
		Expected	51.00	99.00	150.00

Appraiser1 * REF					
			REF		Total
			0	1	
Appraiser1	0	Count	45	5	50
		Expected	16.00	34.00	50.00
	1	Count	3	97	100
		Expected	32.00	68.00	100.00
Total		Count	48	102	150
		Expected	48.00	102.00	150.00

Appraiser2 * REF					
			REF		Total
			0	1	
Appraiser2	0	Count	45	2	47
		Expected	15.04	31.96	47.00
	1	Count	3	100	103
		Expected	32.96	70.04	103.00
Total		Count	48	102	150
		Expected	48.00	102.00	150.00

Appraiser3 * REF					
			REF		Total
			0	1	
Appraiser3	0	Count	42	9	51
		Expected	16.32	34.68	51.00
	1	Count	6	93	99
		Expected	31.68	67.32	99.00
Total		Count	48	102	150
		Expected	48.00	102.00	150.00

Cross Tab Kappa Report For Gage ID: Attrib_01

Gage ID	Attrib_01	Study Date	19/02/2016	Parts	50	Upper Specification	-
Gage Type	Plug Gage	Study By	-	Appraiser(s)	3	Lower Specification	-
Part No / Name	-	Characteristic	-	Trials	3		-

Source	% Appraiser			% Score Vs Attribute		
	Appraiser1	Appraiser2	Appraiser3	Appraiser1	Appraiser2	Appraiser3
Total Inspected	50	50	50	50	50	50
# Matched	42	45	40	42	45	40
False Negative	-	-	-	0	0	0
False Positive	-	-	-	0	0	0
Mixed	-	-	-	8	5	10
95% UCI	92.83%	96.67%	89.97%	92.83%	96.67%	89.97%
Calculated Score	84.00%	90.00%	80.00%	84.00%	90.00%	80.00%
95% LCI	70.89%	78.19%	66.28%	70.89%	78.19%	66.28%

Effectiveness Calculations

	System% Effective Score.	System% Effective Score Vs Ref.
Total Inspected	50	50
# in Agreement	39	39
95% UCI	88.47%	88.47%
Calculated Score	78.00%	78.00%
95% LCI	64.04%	64.04%