

Total Count IOA

Interval	Observer 1	Observer 2	Total Count: 100.00%
1	1	0	Suppose these rows represent 15 one-min intervals in which frequency counts were collected. Because both rows sum to 5, the total counts are equal, resulting in a total count IOA of 100%.
2	1	0	
3	1	0	
4	2	1	
5	0	0	
6	0	0	
7	0	0	
8	0	0	
9	0	0	
10	0	0	
11	0	0	
12	0	0	
13	0	0	
14	0	0	
15	0	4	
16			→ Sum = 5 → Sum = 5
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Partial Agreement w/in Intervals IOA

Interval	Observer 1	Observer 2	Partial Agreement-w/in-Intervals: 70.00%
1	1	0	→ 0% Agreement
2	1	0	→ 0% Agreement
3	1	0	→ 0% Agreement
4	2	1	→ 50% Agreement
5	0	0	→ 100% Agreement
6	0	0	→ 100% Agreement
7	0	0	→ 100% Agreement
8	0	0	→ 100% Agreement
9	0	0	→ 100% Agreement
10	0	0	→ 100% Agreement
11	0	0	→ 100% Agreement
12	0	0	→ 100% Agreement
13	0	0	→ 100% Agreement
14	0	0	→ 100% Agreement
15	0	4	→ 0% Agreement
16			The agreement levels above represent the % of agreement between both observers when IOA data were collected. The average of these levels constitutes the partial agreement w/in Intervals IOA of 70.00%.
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Exact Agreement IOA

Interval	Observer 1	Observer 2	Exact agreement: 66.67%	
1	1	0	→ Not equal	Exact agreement IOA is calculated by computing the % of intervals of IOA data collection in which both observers were in exact agreement. In this case, only 10 of the 15 intervals were equal, resulting in an exact agreement IOA of 66.67%.
2	1	0	→ Not equal	
3	1	0	→ Not equal	
4	2	1	→ Not equal	
5	0	0	→ Equal	
6	0	0	→ Equal	
7	0	0	→ Equal	
8	0	0	→ Equal	
9	0	0	→ Equal	
10	0	0	→ Equal	
11	0	0	→ Equal	
12	0	0	→ Equal	
13	0	0	→ Equal	
14	0	0	→ Equal	
15	0	4	→ Not equal	
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Trial-by-Trial IOA

Trial	Observer 1	Observer 2	Trial-by-Trial: 62.50%
1	0	0	= agreement
2	1	1	= agreement
3	0	1	= disagreement
4	1	1	= agreement
5	0	1	= disagreement
6	1	1	= agreement
7	0	0	= agreement
8	1	0	= disagreement
9			Because 5 of the 8 trials featured agreement, $5/8 = 62.50\%$, which is the trial-by-trial IOA.
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Interval-by-Interval IOA

Interval	Observer 1	Observer 2	Interval-by-interval: 71.43%
1	Occurrence	Non-occurrence	= disagreement
2	Non-occurrence	Non-occurrence	= agreement
3	Non-occurrence	Non-occurrence	= agreement
4	Non-occurrence	Non-occurrence	= agreement
5	Occurrence	Occurrence	= agreement
6	Occurrence	Occurrence	= agreement
7	Non-occurrence	Occurrence	= disagreement
8			Because 5 of the 7 intervals featured agreement, $5/7 = 71.43\%$, which is the interval-by-interval IOA.
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Scored-Interval IOA

Interval	Observer 1	Observer 2	Scored Interval: 50.00%
1	Occurrence	Non-occurrence	= disagreement
2	Non-occurrence	Non-occurrence	Not used in calculating the IOA because no occurrences were documented by either observer.
3	Non-occurrence	Non-occurrence	
4	Non-occurrence	Non-occurrence	
5	Occurrence	Occurrence	= agreement
6	Occurrence	Occurrence	= agreement
7	Non-occurrence	Occurrence	= disagreement
8			In scored interval IOA computation, only intervals WITH a documented occurrence are used in calculating IOA. Because 2 of the 4 intervals featured agreement, $2/4 = 50\%$, which is the interval-by-interval IOA.
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Unscored-Interval IOA

Interval	Observer 1	Observer 2	Unscored Interval: 60.00%
1	Occurrence	Non-occurrence	= disagreement
2	Non-occurrence	Non-occurrence	= agreement
3	Non-occurrence	Non-occurrence	= agreement
4	Non-occurrence	Non-occurrence	= agreement
5	Occurrence	Occurrence	Not used in calculating the IOA because occurrences were documented by both observers.
6	Occurrence	Occurrence	
7	Non-occurrence	Occurrence	= disagreement
8			In unscored interval IOA computation, only intervals <u>WITHOUT</u> a documented occurrence are used in calculating IOA. Because 3 of the 5 intervals featured agreement, $3/5 = 60\%$, which is the interval-by-interval IOA.
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Total Duration IOA

Occurrence	Observer 1	Observer 2	Total Duration: 100.00%
1	53.40	53.22	Sum = 197.38 Sum = 197.38 Suppose these rows represent 4 observation sessions. Because both rows sum to 197.38, the total durations are equal, resulting in a total count IOA of 100%. Note how discrepant each observations are in the 2nd through 4th occurrence of the behavior, however.
2	22.15	0.50	
3	33.44	48.33	
4	88.39	95.33	
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Mean Duration-per-Occurrence IOA

Occurrence	Observer 1	Observer 2	Mean Duration-Per-Occurrence: 65.96%
1	53.40	53.22	= 99.70% agreement
2	22.15	0.50	= 2.30% agreement
3	33.44	48.33	= 69.20% agreement
4	88.39	95.33	= 92.70% agreement
5			The agreement levels above represent the % of agreement between both observers when IOA data were collected. The average of these levels constitutes the mean duration-per-occurrence IOA of 65.96%. Note that these are the <i>same</i> data from the Total Duration IOA tab.
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