

### JOMC 279 Reliability Exercise

Compute agreement (observed = OA) and Cohen's *kappa* for the coding situation presented below:

	Coder A	Coder B
	2	2
	1	1
	2	2
	3	2
	2	2
	2	2
	3	3
	2	2
	3	3
	3	3
	2	1
	2	2
	3	3
	1	1
	3	3
	3	3
	1	1
	3	3
	1	3
	1	1

1. Enter counts in this table:

#		Coder A		
		1	2	3
Coder B	1			
	2			
	3			

2. Enter percentages in this table:

%		Coder A		
		1	2	3
Coder B	1			
	2			
	3			

3. Compute marginal percentages (add rows/columns).

4. Compute Observed Agreement (sum diagonals).

OA =

5. Compute Expected Agreement (multiply marginal's, then sum).

EA =

6. Compute *kappa*.

$$kappa = OA - EA / 1 - EA$$