

4.6 Cochran Test for Related Observations

In a comparison of different methods of soothing young babies, four methods (warm water, rocking, pacifier, and sound) were applied to each 12 neonates. Each of the 48 combinations was classified as successful or unsuccessful with the following results:

Subject	Warm	Rocking	Pacifier	Sound	
1	-	-	-	-	
2	-	+	-	-	
3	-	-	+	-	
4	-	-	-	-	
5	+	+	+	+	
6	-	+	+	+	
7	+	+	-	-	
8	-	+	-	+	
9	-	+	+	+	
10	-	-	+	-	
11	+	+	-	+	
12	+	+	+	+	

H₀: No significant difference among the treatments

H_a: There is a significant difference among the treatments