

Desiree Vargas

EDG 500

April 15,2023

	Observed N	Expected N	Residual
Jane Smith	11	10.0	1.0
John Doe	9	10.0	-1.0
Total	20		

	Candidate
Chi- Square	0.200 ^a
df	1
Asymp. Sig.	0.655

	Observed N	Expected N	Residual
Tan	5	6.7	-1.7
Blue	12	6.7	5.3
Brown	3	6.7	-3.7
Total	20		

	Colors
Chi Square	6.700 ^a
df	2
Asymp.Sig	0.035

What is the observed value n for Tan? 5

What is the observed value n for blue? 12

What is the observed value n for brown? 3

What is the value of chi square?6.700^a

What is the associated probability ? .035

Are observed values significantly different at the .05 level from the expected values of 6.7 for each color? The observed values are not significantly different at the .05 level from the expected values of 6.7 for each color.

Write a statement of the results of the significance test. The observed values are not significantly different at the .05 level from the expected values of 6.7 for each color.

	Cases					
	Valid		Missing	Total		
	N	Percent		N	Percent	N
Gender *Vote	24	100%	0	0%	24	100%

			Vote		
			Yes	No	Total
Gender	Male	Count	8	4	12
		% within Gender	66.7%	33.3%	100.0%
	Female	Count	5	7	12
		% within Gender	41.7%	58.3%	100.0%
Total	Count		13	11	24
	% within Gender		54.2%	45.8%	100.0%

	Value	df	Asymptotic Significance (2-Sided)	Exact Sig.(2-sided)	Exact Sig. (1-sided)
Pearson Chi Square	1.510 ^a	1	0.219		

Continuity Correction ^b	0.671	1	0.413		
Likelihood Ratio	1.527	1	0.217		
Fisher's Exact test				0.414	0.207
Linear-by-linear association	1.448	1	0.229		
N of Valid Cases	24				

		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
Experience*	Approval	20	100%	0	0.0%	20	100%
Approval							
				Approve	Disapprove	Total	
Experience	Experienced	Count		7	3	10	
		% within Experience		70.0%	30.0%	100.0%	
	Inexperienced	Count		3	7	10	
		% within Experience		30.0%	70.0%	100.0%	
		Count		10	10	20	
Total		% within Experience		50.0%	50.0%	100.0%	

How many of the experienced teachers approved? 7

How many of the inexperienced teachers approved? 3

What is the value of chi square? 3.200^a

What is the associated probability ?.074

Are the results statistically significant at the .05 level? Experienced teachers were more likely to approve of the proposed mathematics curriculum whereas inexperienced teachers were more likely to disapprove of it. The value of chi square is less than the .05 therefore it is not significant

With a statement of the results of the significance test

Experienced teachers were more likely to approve of the proposed mathematics curriculum whereas inexperienced teachers were more likely to disapprove of it. The value of chi square is greater than the .05 therefore it is not significant .