Assignment	5-1
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,		High School	Bachelor	Matos	Ph.d	Total	
Edution	Female	60	54	46	41	201	
	Male	Lp 10	44	53	57	194	
	Total	100	98	99	98	395	
							Ĭ)

We have to use chi-square test of Independence Chi-square lost statistic = x2 = \(\sigma (0-E) / E

> 0= observed forequency. E = Expected prequency under the null hypothesis E = sion total x colum total.

Table of orperted courts:

	lable 9			1 .		,	
١		1 High School	Bachelos	Martons	Ph.d	Total	1
	E Ferrole	U	49.868	50.377	49.868	201	L
_			48.132	48.62-3	48.132	194	
-	E Male	100	98	99	98	396	
	Total	101				<u> </u>	£

n2 = (60-50.686) 50.886+ (54-49.868) 49.868+ (49-50.377) 50.377 +(41-49.868)/49.868 +(40-49.114)/49.114+... (57-48.132)/48.132

n= 8.006

is The critical value of 2 with 3 degree of freedom is 7.815. Since 8.006 7 7.615. Thought we dieject the null hypothesis and conclude that the education level depends on gender at 5% bevel of significances;