Results of Pearson's Chi Square Test of Association Between "Age_Years" and "Adoption_Status"

p value: 0.2705 [1]

Pearson's Chi Square statistic: 12.222

Degrees of Freedom (df): 10

		Adoption_Status							
		ADOPTED		ADOPTION PENDING		AVAILABLE		TOTAL	
		Obs	Exp	Obs	Exp	Obs	Exp	Obs	Exp
Age_Years	1.0	0	0.6	1	0.6	2	1.8	3	3.0
	2.0	1	0.4	0	0.4	1	1.2	2	2.0
	4.0	0	0.4	0	0.4	2	1.2	2	2.0
	6.0	1	0.2	0	0.2	0	0.6	1	1.0
	8.0	0	0.2	1	0.2	0	0.6	1	1.0
	10.0	0	0.2	0	0.2	1	0.6	1	1.0
	TOTAL	2	2.0	2	2.0	6	6.0	10	10.0

Minimum expected cell count: 0.2

% cells with expected count < 5: 100.0

[1] If p is small, e.g. less than 0.01, or 0.001, you can assume the result is statistically significant i.e. there is a relationship between "{lbl_a}" and "{lbl_b}". Note: a statistically significant difference may not necessarily be of any practical significance.

This is a one-tailed result i.e. based on the likelihood of a difference in one particular direction

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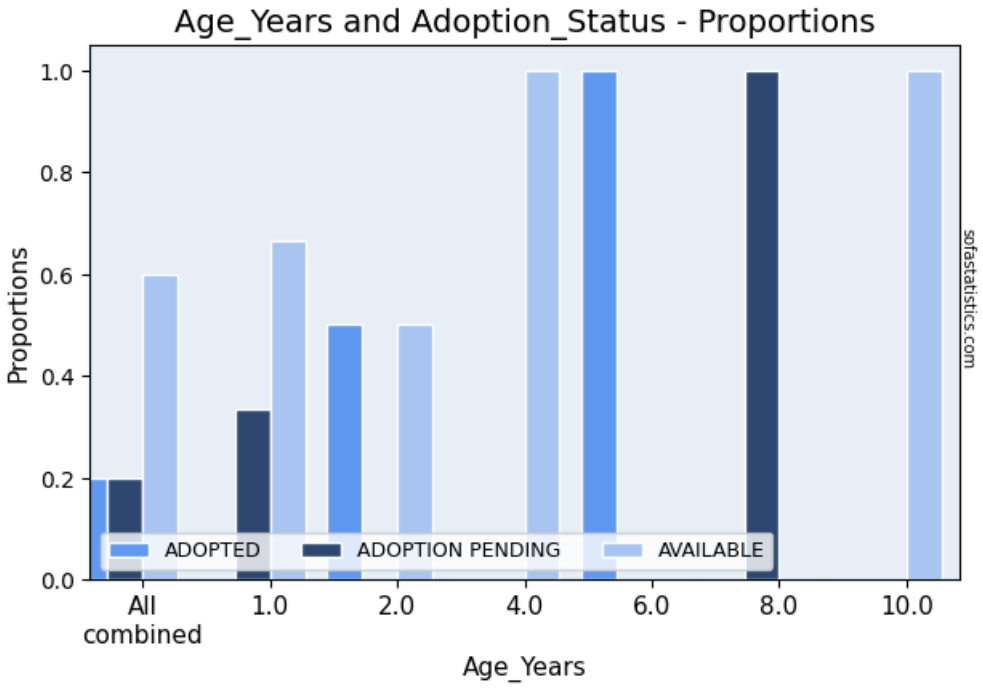
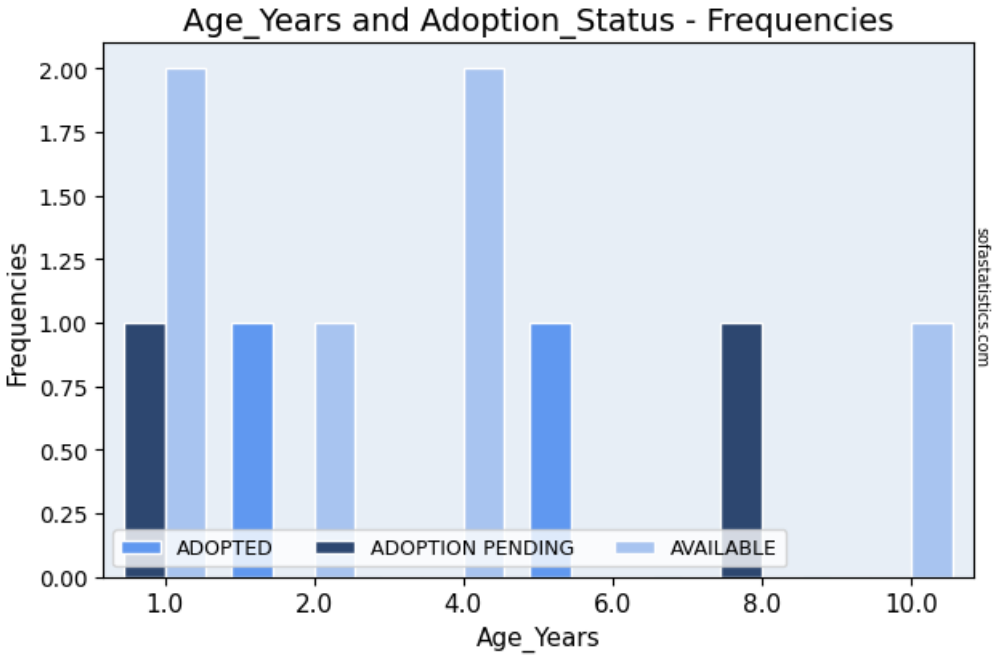
Interpreting the Proportions chart - look at the "All combined" category - the more different the other Age_Years categories look from this the more likely the Chi Square test will detect a difference. Within each Age_Years category the Adoption_Status values add up to 1 i.e. 100%. This is not the same way of displaying data as a clustered bar chart although the similarity can be confusing.




Age_Years and Adoption_Status - Frequencies
Frequencies
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
ADOPTED
ADOPTION PENDING
AVAILABLE
1.0
2.0
4.0
6.0
8.0
10.0
Age_Years
sofastatistics.com