

Accuracy of ClearSky's weather forecast

Null Hypothesis : The forecast is accurate

Alternate Hypothesis : The forecast is not accurate

Observed (O)	Expected (E)	O - E	(O - E)^2	(O - E)^2 / E
78	77	1	1	0.013
72	70	2	4	0.057
72	71	1	1	0.014
75	77	-2	4	0.052
71	68	3	9	0.132
76	75	1	1	0.013
78	76	2	4	0.053
Sum	Sum		Sum	Chi^2 Value
522	514		24	0.334

$\alpha = .05$

Critical Value = 12.5916

Chi^2 Value = 0.334

Conclusion:

The forecast is accurate