



There is a training institute called "Winiit", which claims that 41 out of 100 students in it's class qualify for premier engineering institutes. Normally each year only 33% students are able to make it into premier engineering institutes. So should you enroll yourself in "Winiit"?

- Expectation: that 33 out of 100 qualify for premier insitiutes
- Observation: 41 out of 100 qualified everything about analytics



Frequency Table

	Successful	Unsuccessful
Observed	41	59
Expected	33	67

Null Hypothesis: No sig. difference between observed and expected
Alternate Hypothesis: Significant difference

out analytics



Chi Square Test

$$\chi_c^2 = \sum \frac{(O_i - E_i)^2}{E_i}$$

Here O_i is the observed frequency while E_i is the expected frequency Learn everything about analytics

	Successful	Unsuccessful
Observed	41	59
Expected	33	67



Chi Square Distribution





Calculating Chi Square Statistic

	Successful	Unsuccessful
Observed	41	59
Expected	33	67

ytics Vidhya

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$$\chi_c^2 = \sum_i \frac{(O_i - E_i)^2}{E_i}$$

