

*RELATIONSHIP
BETWEEN SUICIDE
AND GENDER*

HYPOTHESIS TEST 2 SAMPLE

Mean suicide number of
male and female are
different.

Average suicide number from 2005-2015:
 $9213.182 \text{ (Male)} > 4467.818 \text{ (Female)}$

CORRELATION

Suicide number with respective years.

Female: $+0.08949511$ (very weak relationship)

Male: $+0.7167173$ (moderate relationship)

Suicide number for male is far more likely to be influenced by years.

REGRESSION

$$\widehat{y_{female}} = -28459.64 + 16.38$$

$$\widehat{y_{male}} = -507521.30 + 257.10$$

Estimated changes in the average suicide number of female and male are increased by 16.38 and 257.10 respectively

Suicide number of male accelerates faster against the years when compared with female.

GOODNESS OF FIT TEST

The suicide number distribution
of both gender are different.

*In this case, male has a greater
distribution when compared with
female.*

CHI-SQUARE TEST OF INDEPENDENCE

Suicide number for each
gender is dependent of year.

To illustrate, if specific event such
as economy downturn occurs in the
year, the suicide number will
flunctuate as external factors affect
people's lives.



EVERY CLOUD HAS A SILVER
LINING ^~^



It's okay to not be fine.
Rest. Relax. Rise up.
Sun still shines.



GOODNESS OF FIT TEST

The suicide number distribution of both gender are different.

It is the test, which test a particular distribution with respect to the given data.

RELATIVE RESIDUAL TEST'S SAMPLE

Mean and the number of male and female are different.

It is the test, which test a particular distribution with respect to the given data.

N-TEST

It is the test, which test a particular distribution with respect to the given data.

It is the test, which test a particular distribution with respect to the given data.

CORRELATION

It is the test, which test a particular distribution with respect to the given data.

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GOODNESS OF FIT-TEST

The suicide number distribution of both gender are different.

It is the test, which test a particular distribution with respect to null hypothesis.

RELATIVE RESIDUAL TEST'S SAMPLE

Mean and the number of male and female are different.

It is the test, which test a particular distribution with respect to null hypothesis.

N-TEST

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