

# How to interpret P values, according to xkcd :-)

## Description

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### Background:

When you perform a hypothesis test in statistics, a p-value helps you determine the significance of your results. Hypothesis tests are used to test the validity of a claim that is made about a population. This claim that's on trial, in essence, is called the null hypothesis. [\(continue here...\)](#)

### [The xkcd view](#)

| <u>P-VALUE</u> | <u>INTERPRETATION</u>              |
|----------------|------------------------------------|
| 0.001          |                                    |
| 0.01           | HIGHLY SIGNIFICANT                 |
| 0.02           |                                    |
| 0.03           |                                    |
| 0.04           | SIGNIFICANT                        |
| 0.049          |                                    |
| 0.050          | OH CRAP. REDO CALCULATIONS.        |
| 0.051          |                                    |
| 0.06           | ON THE EDGE OF SIGNIFICANCE        |
| 0.07           | HIGHLY SUGGESTIVE,                 |
| 0.08           | SIGNIFICANT AT THE                 |
| 0.09           | P<0.10 LEVEL                       |
| 0.099          | HEY, LOOK AT                       |
| ≥0.1           | THIS INTERESTING SUBGROUP ANALYSIS |

## Category

1. Uncategorized

### Date

10/02/2026

### Date Created

03/03/2015

### Author

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