Rapport package team

Kruskal Wallis test

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## Description

In this template Rapporter will present you Kruskal Wallis test.

### Introduction

[Kruskal-Wallis test](http://en.wikipedia.org/wiki/Kruskal-Wallis) is a non-parametric statistical test that assesses hypothesis of equality of two independent sample's/variabels' variances. Most of the time it's being used beacuse the normality assumptions didn't meet for the samples/variables, but we need the assumption of the equal variances, so it can be an alternative of the Two-sample t-test. Significant result means difference between the samples/variables.

|  |  |  |
| --- | --- | --- |
| Test statistic | df | P value |
| 1010 | 1 | *1.056e-221* \* \* \* |

Kruskal-Wallis test for *Age* and *Internet usage for educational purposes (hours per day)*

As you can see in the table the test's degrees of freedom is *1*, the joint test-statistic is *1010*, so the p-value of the Kruskal-Wallis test is *1.056e-221*. Thus we can reject the assumption of the equal variances.

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|  |  |  |
| --- | --- | --- |
| Test statistic | df | P value |
| 47.28 | 1 | *6.14e-12* \* \* \* |

Kruskal-Wallis test for *mpg* and *drat*

As you can see in the table the test's degrees of freedom is *1*, the joint test-statistic is *47.28*, so the p-value of the Kruskal-Wallis test is *6.14e-12*. Thus we can reject the assumption of the equal variances.

This report was generated with [R](http://www.r-project.org/) (3.0.1) and [rapport](http://rapport-package.info/) (0.51) in *0.267* sec on x86\_64-unknown-linux-gnu platform.

