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ANOVA (Analysis of Variance) ANOVA is a statistical technique that assesses potential differences in a scale-level dependent variable by a nominal-level variable having 2 or more categories. For example, an ANOVA can examine potential differences in IQ scores by Country (US vs. Canada vs. Italy vs. Spain).

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One-way Analysis of Variance (ANOVA) requires one categorical factor for the independent variable and a continuous variable for the dependent variable. The values of the categorical factor divide the continuous data into groups. The test determines whether the mean differences between

these groups are statistically significant.

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Analysis of Variance (ANOVA) is a statistical technique, commonly used to studying differences between two or more group means. ANOVA test is centred on the different sources of variation in a typical variable. ANOVA in R primarily provides evidence of the existence of the mean equality between the groups.

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Analysis of Variance, or ANOVA for short, is a statistical test that looks for significant differences between means on a particular measure. For example, say you are interested in studying the education level of athletes in a community, so you survey people on various teams.

~~Analysis of Variance (ANOVA) – Definition~~

Data set • Anxiety scores for 5 veterans who received behavioral therapy: 104, 108, 107, 106, 103 • Anxiety scores for 5 veterans who received cognitive

therapy: 99, 98, 101, 100, 99 • Anxiety scores for 5 veterans who received biofeedback therapy: 103, 104, 105, 107, 101 • Anxiety scores for 5 veterans who received medication therapy: 101, 100, 101, 103, 100
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