

Treatment  
(Explanatory Variable)

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graph TD; A["Treatment (Explanatory Variable)"] --> B["Quantitative (Regression Analysis)"]; A --> C["Qualitative (ANOVA)"]; C --> D["Structured (Contrast Analysis)"]; C --> E["Structuredless (Multiple Mean Comparisons)"]; D --> F["Singleton"]; D --> G["Factorial"];
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This flowchart illustrates the classification of statistical analysis based on the type of treatment (explanatory variable). It starts with 'Treatment (Explanatory Variable)' at the top, which branches into 'Quantitative (Regression Analysis)' and 'Qualitative (ANOVA)'. 'Qualitative (ANOVA)' further branches into 'Structured (Contrast Analysis)' and 'Structuredless (Multiple Mean Comparisons)'. Finally, 'Structured (Contrast Analysis)' branches into 'Singleton' and 'Factorial'.

Quantitative  
(Regression Analysis)

Qualitative  
(ANOVA)

Structured  
(Contrast Analysis)

Structuredless  
(Multiple Mean  
Comparisons)

Singleton

Factorial