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| Analysis No. | Analysis Statement | Test Name | **Variable Types** | Hypothesis | Assumption Tests |
| 1 | 1. To study the satisfaction rate in loyalty program between male and female students. | Independent T-Test | * Satisfaction Score (Dependent) * Gender (Independent) |  | 1. Both groups (male and female) must be normal. 2. Homogeneity of variance test: |
| 2. To study satisfaction rate in loyalty program  among all age. | One-way Independent ANOVA | - Satisfaction Score  (Dependent)  - Age(Independent) |  | 1. Each groups(All the ages)must be normal. 2. Homogeneity of variance test. |
| 3. To study satisfaction rate in loyalty program  Among job. | One-way  Independent  ANOVA | - Satisfaction Score  (Dependent)  - Job(Independent) |  | 1. Each groups(All the Jobs)must be normal. 2. Homogeneity of variance test. |
| 4. To study satisfaction rate in loyalty program Among  monthly frequency usage. | One-way  Independent  ANOVA | - Satisfaction Score  (Dependent)  - Monthly frequency usage(Independent) |  | 1. Each groups(All the monthly frequency usage)must be normal. 2. Homogeneity of variance test. |
| 5. To study satisfaction rate in loyalty program Between victim and non-victim | Independent T-test | - Satisfaction Score  (Dependent)  - victim and non-victim(Independent) |  | 1. Both groups(victim and non-victim) must be normal 2. Homo4geneity of variance test: |
| 6. To study correlation between Satisfaction & Frequency | Pearson Correlation test | - Satisfaction Score  (Dependent)  - Frequency Score  (Dependent) |  | 1.Both variables(Satisfaction & Frequency)must be normal. |
| 7. To study correlation between Satisfaction & Reliability. | Pearson Correlation test | - Satisfaction Score  (Dependent)  - Reliability Score  (Dependent) |  | 1.Both variables(Satisfaction & Reliability)must be normal. |
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