|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Mean ± SD | d5 | v1 | v2 | v3 | v4 | v5 | v6 | v17 | v18 | v19 | v20 | v21 |
| d5 | 25.941 ± 5.381 |  |  |  |  |  |  |  |  |  |  |  |  |
| v1 | 10.067 ± 2.378 | 0.102 |  |  |  |  |  |  |  |  |  |  |  |
| v2 | 28.467 ± 17.842 | 0.045 | -0.172 |  |  |  |  |  |  |  |  |  |  |
| v3 | 27.5 ± 12.309 | 0.021 | 0.197 | 0.055 |  |  |  |  |  |  |  |  |  |
| v4 | 132.05 ± 19.124 | 0.130 | -0.186 | -0.026 | 0.006 |  |  |  |  |  |  |  |  |
| v5 | 78.967 ± 11.637 | -0.123 | -0.143 | -0.189 | -0.171 | -0.235 |  |  |  |  |  |  |  |
| v6 | 5 ± 2.934 | 0.163 | -0.104 | 0.301 | -0.048 | 0.118 | -0.202 |  |  |  |  |  |  |
| v17 | 8.4 ± 2.381 | 0.110 | 0.167 | -0.086 | 0.049 | 0.018 | -0.075 | 0.082 |  |  |  |  |  |
| v18 | 8.05 ± 2.325 | -0.134 | -0.088 | -0.008 | -0.040 | -0.024 | 0.035 | 0.068 | -0.106 |  |  |  |  |
| v19 | 8.833 ± 2.076 | 0.148 | -0.055 | 0.015 | 0.122 | 0.205 | -0.233 | -0.122 | 0.059 | -0.053 |  |  |  |
| v20 | 8.55 ± 2.411 | 0.148 | -0.067 | -0.281 | -0.044 | 0.151 | 0.068 | -0.180 | 0.247 | 0.069 | -0.124 |  |  |
| v21 | 8.367 ± 2.35 | 0.067 | 0.225 | 0.144 | 0.152 | 0.186 | -0.298 | 0.121 | 0.083 | -0.054 | -0.084 | 0.031 |  |

Spearman; Pearson

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | d5 | v1 | v2 | v3 | v4 | v5 | v6 | v17 | v18 | v19 | v20 | v21 |
| d5 |  |  |  |  |  |  |  |  |  |  |  |  |
| v1 | 0.440 |  |  |  |  |  |  |  |  |  |  |  |
| v2 | 0.731 | 0.190 |  |  |  |  |  |  |  |  |  |  |
| v3 | 0.876 | 0.131 | 0.674 |  |  |  |  |  |  |  |  |  |
| v4 | 0.323 | 0.156 | 0.846 | 0.965 |  |  |  |  |  |  |  |  |
| v5 | 0.348 | 0.276 | 0.149 | 0.192 | 0.071 |  |  |  |  |  |  |  |
| v6 | 0.213 | 0.431 | **0.020** | 0.716 | 0.368 | 0.121 |  |  |  |  |  |  |
| v17 | 0.402 | 0.202 | 0.514 | 0.709 | 0.892 | 0.567 | 0.533 |  |  |  |  |  |
| v18 | 0.306 | 0.503 | 0.952 | 0.760 | 0.858 | 0.792 | 0.607 | 0.421 |  |  |  |  |
| v19 | 0.259 | 0.676 | 0.908 | 0.352 | 0.116 | 0.073 | 0.354 | 0.654 | 0.686 |  |  |  |
| v20 | 0.258 | 0.611 | **0.030** | 0.738 | 0.251 | 0.606 | 0.170 | 0.058 | 0.603 | 0.345 |  |  |
| v21 | 0.610 | 0.084 | 0.273 | 0.248 | 0.155 | **0.021** | 0.358 | 0.529 | 0.682 | 0.522 | 0.814 |  |

Spearman; Pearson

Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between d5 and v1 (r =0.102; p= 0.440).Analysis utilizing Pearson Pearson correlation coefficient demonstrated that there is not statistically significant association between d5 and v2 (r =0.045; p= 0.731).When the relationship between d5 and v3 was examined by Spearman Spearman a statistically significant correlation not observed (r =0.021; p= 0.876).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between d5 and v4 (r =0.130; p= 0.323).When the relationship between d5 and v5 was examined by Pearson Pearson a statistically significant correlation not observed (r =-0.123; p= 0.348).When the relationship between d5 and v6 was examined by Spearman Spearman a statistically significant correlation not observed (r =0.163; p= 0.213).When the relationship between d5 and v17 was examined by Spearman Spearman a statistically significant correlation not observed (r =0.110; p= 0.402).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between d5 and v18 (r =-0.134; p= 0.306).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between d5 and v19 (r =0.148; p= 0.259).When the relationship between d5 and v20 was examined by Spearman Spearman a statistically significant correlation not observed (r =0.148; p= 0.258).When the relationship between d5 and v21 was examined by Spearman Spearman a statistically significant correlation not observed (r =0.067; p= 0.610).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v1 and v2 (r =-0.172; p= 0.190).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v1 and v3 (r =0.197; p= 0.131).When the relationship between v1 and v4 was examined by Spearman Spearman a statistically significant correlation not observed (r =-0.186; p= 0.156).When the relationship between v1 and v5 was examined by Spearman Spearman a statistically significant correlation not observed (r =-0.143; p= 0.276).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v1 and v6 (r =-0.104; p= 0.431).When the relationship between v1 and v17 was examined by Spearman Spearman a statistically significant correlation not observed (r =0.167; p= 0.202).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v1 and v18 (r =-0.088; p= 0.503).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v1 and v19 (r =-0.055; p= 0.676).When the relationship between v1 and v20 was examined by Spearman Spearman a statistically significant correlation not observed (r =-0.067; p= 0.611).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v1 and v21 (r =0.225; p= 0.084).When the relationship between v2 and v3 was examined by Spearman Spearman a statistically significant correlation not observed (r =0.055; p= 0.674).When the relationship between v2 and v4 was examined by Spearman Spearman a statistically significant correlation not observed (r =-0.026; p= 0.846).When the relationship between v2 and v5 was examined by Pearson Pearson a statistically significant correlation not observed (r =-0.189; p= 0.149).When the relationship between v2 and v6 was examined by Spearman Spearman a statistically significant positive weak correlation was observed (r =0.301; p= 0.020).When the relationship between v2 and v17 was examined by Spearman Spearman a statistically significant correlation not observed (r =-0.086; p= 0.514).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v2 and v18 (r =-0.008; p= 0.952).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v2 and v19 (r =0.015; p= 0.908).When the relationship between v2 and v20 was examined by Spearman Spearman a statistically significant negative weak correlation was observed (r =-0.281; p= 0.030).When the relationship between v2 and v21 was examined by Spearman Spearman a statistically significant correlation not observed (r =0.144; p= 0.273).When the relationship between v3 and v4 was examined by Spearman Spearman a statistically significant correlation not observed (r =0.006; p= 0.965).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v3 and v5 (r =-0.171; p= 0.192).When the relationship between v3 and v6 was examined by Spearman Spearman a statistically significant correlation not observed (r =-0.048; p= 0.716).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v3 and v17 (r =0.049; p= 0.709).When the relationship between v3 and v18 was examined by Spearman Spearman a statistically significant correlation not observed (r =-0.040; p= 0.760).When the relationship between v3 and v19 was examined by Spearman Spearman a statistically significant correlation not observed (r =0.122; p= 0.352).When the relationship between v3 and v20 was examined by Spearman Spearman a statistically significant correlation not observed (r =-0.044; p= 0.738).When the relationship between v3 and v21 was examined by Spearman Spearman a statistically significant correlation not observed (r =0.152; p= 0.248).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v4 and v5 (r =-0.235; p= 0.071).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v4 and v6 (r =0.118; p= 0.368).When the relationship between v4 and v17 was examined by Spearman Spearman a statistically significant correlation not observed (r =0.018; p= 0.892).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v4 and v18 (r =-0.024; p= 0.858).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v4 and v19 (r =0.205; p= 0.116).When the relationship between v4 and v20 was examined by Spearman Spearman a statistically significant correlation not observed (r =0.151; p= 0.251).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v4 and v21 (r =0.186; p= 0.155).When the relationship between v5 and v6 was examined by Spearman Spearman a statistically significant correlation not observed (r =-0.202; p= 0.121).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v5 and v17 (r =-0.075; p= 0.567).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v5 and v18 (r =0.035; p= 0.792).When the relationship between v5 and v19 was examined by Spearman Spearman a statistically significant correlation not observed (r =-0.233; p= 0.073).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v5 and v20 (r =0.068; p= 0.606).When the relationship between v5 and v21 was examined by Spearman Spearman a statistically significant negative weak correlation was observed (r =-0.298; p= 0.021).When the relationship between v6 and v17 was examined by Spearman Spearman a statistically significant correlation not observed (r =0.082; p= 0.533).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v6 and v18 (r =0.068; p= 0.607).When the relationship between v6 and v19 was examined by Spearman Spearman a statistically significant correlation not observed (r =-0.122; p= 0.354).When the relationship between v6 and v20 was examined by Spearman Spearman a statistically significant correlation not observed (r =-0.180; p= 0.170).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v6 and v21 (r =0.121; p= 0.358).When the relationship between v17 and v18 was examined by Spearman Spearman a statistically significant correlation not observed (r =-0.106; p= 0.421).When the relationship between v17 and v19 was examined by Spearman Spearman a statistically significant correlation not observed (r =0.059; p= 0.654).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v17 and v20 (r =0.247; p= 0.058).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v17 and v21 (r =0.083; p= 0.529).When the relationship between v18 and v19 was examined by Spearman Spearman a statistically significant correlation not observed (r =-0.053; p= 0.686).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v18 and v20 (r =0.069; p= 0.603).When the relationship between v18 and v21 was examined by Spearman Spearman a statistically significant correlation not observed (r =-0.054; p= 0.682).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v19 and v20 (r =-0.124; p= 0.345).Analysis utilizing Spearman Spearman correlation coefficient demonstrated that there is not statistically significant association between v19 and v21 (r =-0.084; p= 0.522).When the relationship between v20 and v21 was examined by Spearman Spearman a statistically significant correlation not observed (r =0.031; p= 0.814).