| **Table 1: Descriptive Statistics for Parameters** | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **Overall** N = 5,040*1* | **BOD** N = 504*1* | **Chloride** N = 504*1* | **COD** N = 504*1* | **DO** N = 504*1* | **EC** N = 504*1* | **pH** N = 504*1* | **SS** N = 504*1* | **T-Alkalinity** N = 504*1* | **TDS** N = 504*1* | **Turbidity** N = 504*1* | **p-value***2* |
| Location |  |  |  |  |  |  |  |  |  |  |  | >0.999 |
| Hazaribag | 1,680 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) |  |
| Kamrangir Char | 1,680 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) |  |
| Mirpur Bridge | 1,680 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) | 168 (33%) |  |
| Year | 2,016.50 ± 4.03 | 2,016.50 ± 4.04 | 2,016.50 ± 4.04 | 2,016.50 ± 4.04 | 2,016.50 ± 4.04 | 2,016.50 ± 4.04 | 2,016.50 ± 4.04 | 2,016.50 ± 4.04 | 2,016.50 ± 4.04 | 2,016.50 ± 4.04 | 2,016.50 ± 4.04 | >0.999 |
| Month |  |  |  |  |  |  |  |  |  |  |  | >0.999 |
| January | 420 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) |  |
| February | 420 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) |  |
| March | 420 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) |  |
| April | 420 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) |  |
| May | 420 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) |  |
| June | 420 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) |  |
| July | 420 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) |  |
| August | 420 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) |  |
| September | 420 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) |  |
| October | 420 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) |  |
| November | 420 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) |  |
| December | 420 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) | 42 (8.3%) |  |
| Descriptive Statistics | 104.37 ± 198.00 | 14.52 ± 12.71 | 30.00 ± 32.90 | 47.65 ± 33.41 | 2.47 ± 2.70 | 473.57 ± 359.59 | 7.88 ± 3.57 | 42.80 ± 29.73 | 106.26 ± 95.01 | 281.59 ± 189.48 | 36.93 ± 47.13 | <0.001 |
| *1* n (%); Mean ± SD | | | | | | | | | | | | |
| *2* Pearson’s Chi-squared test; Kruskal-Walli’s rank sum test | | | | | | | | | | | | |