Table 1: Distribution of the demographic variables of the suicide cases

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Variables** | **Frequency** | **percentage** | **Frequency** | **percentage** | **Frequency** | **percentage** |
|  | Total | | Male | | Female | |
| **Sex (n= 112)** |  |  |  |  |  |  |
| **Female** | 57 | 50.89 |  |  |  |  |
| **Male** | 55 | 49.11 |  |  |  |  |
|  |  |  |  |  |  |  |
| **Faculty (n = 102)** |  |  | Male (n = 53) |  | Female (n = 49) |  |
| **Business** | 24 | 23.53 | 11 | 20.75 | 13 | 26.53 |
| **Medicine** | 3 | 2.94 | 1 | 1.89 | 2 | 4.08 |
| **Science & Engineering** | 39 | 38.24 | 23 | 43.4 | 16 | 32.65 |
| **Social Science** | 36 | 35.29 | 18 | 33.96 | 18 | 36.73 |
|  |  |  |  |  |  |  |
| **Academic year (n = 86)** |  |  | Male (n= 43) |  | Female (n = 43) |  |
| **First year** | 18 | 20.93 | 8 | 18.6 | 10 | 23.26 |
| **Second year** | 17 | 19.77 | 5 | 11.63 | 12 | 27.91 |
| **Third year** | 12 | 13.95 | 6 | 13.95 | 6 | 13.95 |
| **Fourth year** | 23 | 26.74 | 16 | 37.21 | 7 | 16.28 |
| **Fifth year** | 16 | 18.6 | 8 | 18.6 | 8 | 18.6 |
|  |  |  |  |  |  |  |
| **University type (n = 112)** |  |  | Male (n = 55) |  | Female (n= 57) |  |
| **National University** | 4 | 3.57 | 0 | 0 | 4 | 7.02 |
| **Private University** | 29 | 25.89 | 15 | 27.27 | 14 | 24.56 |
| **Public University** | 79 | 70.54 | 40 | 72.73 | 39 | 68.42 |
| **Residence (n = 82)** |  |  | Male (n = 41) |  | Female (n = 41) |  |
| **Staying with family** | 32 | 39.02 | 11 | 26.83 | 21 | 51.22 |
| **Staying outside family** | 50 | 60.98 | 30 | 73.17 | 20 | 48.78 |

Table 2: Distribution of suicide variables of the suicide cases

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Suicide variables** | **Frequency** | **percentage** | **Frequency** | **percentage** | **Frequency** | **percentage** |
| **Methods (n= 97)** | Total | | Male | | Female | |
| **Drowning** | 1 | 1.03 | 1 | 2.08 | 0 | 0 |
| **Falling from height** | 7 | 7.22 | 6 | 12.5 | 1 | 2.04 |
| **Hanging** | 74 | 76.29 | 35 | 72.92 | 39 | 79.59 |
| **Jumping in front of train** | 4 | 4.12 | 2 | 4.17 | 2 | 4.08 |
| **Poisoning** | 11 | 11.34 | 4 | 8.33 | 7 | 14.29 |
|  |  |  |  |  |  |  |
| **Time of Suicide (n = 55)** |  |  | Male (n = 31) |  | Female (n= 24) |  |
| **Afternoon (11 am - 4 pm)** | 10 | 18.18 | 4 | 12.9 | 6 | 25 |
| **Evening (4 pm - 8 pm)** | 7 | 12.73 | 5 | 16.13 | 2 | 25 |
| **Morning (5 am -11am)** | 6 | 10.91 | 2 | 6.45 | 4 | 25 |
| **Night (8 pm - 5 am)** | 32 | 58.18 | 20 | 64.52 | 12 | 25 |
|  |  |  |  |  |  |  |
| **Suicide notes (n = 45)** |  |  | Male (n = 26) |  | Female (n = 19) |  |
| **Present** | 15 | 33.33 | 11 | 42.31 | 4 | 21.05 |
| **absent** | 30 | 66.67 | 15 | 57.69 | 15 | 78.95 |
|  |  |  |  |  |  |  |
| **Risk factors (n = 65)** |  |  | Male (n = 31) |  | Female (n = 34) |  |
| **Academic dissatisfaction** | 9 | 13.85 | 5 | 16.13 | 4 | 11.76 |
| **Depression** | 10 | 15.38 | 7 | 22.58 | 3 | 8.82 |
| **Fail in job exam** | 1 | 1.54 | 1 | 3.23 | 0 | 0 |
| **Family disharmony** | 6 | 9.23 | 2 | 6.45 | 4 | 11.76 |
| **Financial constrains** | 1 | 1.54 | 1 | 3.23 | 0 | 0 |
| **Unsuccessful romantic relationship** | 32 | 49.23 | 12 | 38.71 | 20 | 58.82 |
| **Marital discord** | 3 | 4.62 | 0 | 0 | 3 | 8.82 |
| **Mental instability** | 2 | 3.08 | 2 | 6.45 | 0 | 0 |
| **Physical illness** | 1 | 1.54 | 1 | 3.23 | 0 | 0 |

Table 3: Suicide trend of the Bangladeshi university students during the study years

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variables** | **Estimate** | **Standard error** | **t value** | **p value** | **95% Confidence Interval** |
| **Total no of suicide** | 1.279 | 0.3037 | 4.212 | **0.001** | 0.617, 1.940 |
| **Suicide rate (2009-2017)** |  |  |  |  |  |
| **Mean Suicide rate** | -0.021 | 0.10493 | -0.208 | 0.841 | -0.269, 0.226 |
| **Male suicide rate** | -0.058 | 0.07871 | -0.745 | 0.48 | -0.244, 0.127 |
| **Female suicide rate** | 0.038 | 0.18929 | 0.202 | 0.846 | -0.409, 0.485 |
| **Public university suicide rate** | -0.268 | 0.2134 | -1.258 | 0.249 | -0.773, 0.236 |
| **Private university suicide rate** | 0.200 | 0.04228 | 4.744 | **0.002** | 0.100, 0.300 |
| **Suicide rate (2013-2017)** |  |  |  |  |  |
| **Mean suicide rate** | 0.384 | 0.09995 | 3.846 | **0.031** | 0.066, 0.702 |
| **Male suicide rate** | 0.204 | 0.07777 | 2.624 | **0.078** | -0.043, 0.451 |
| **Female suicide rate** | 0.763 | 0.1803 | 4.234 | **0.024** | 0.189, 1.337 |
| **Public university suicide rate** | 0.443 | 0.09892 | 4.48 | **0.020** | 0.128, 0.757 |
| **Private university suicide rate** | 0.306 | 0.1354 | 2.264 | 0.109 | -0.124, 0.737 |