**Mobile Dataset Details**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Column** | **Description** | **Min** | **Max** | **Mean** | **Valid** | **Missing** |  |
|  |  |  |  |  |  |  |  |
| battery\_power | Total energy a battery can store in one time | 501 | 1998 | 1240 | 2000 | 0 |  |
|  | measured in mAh |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Blue | Has bluetooth or not | 0 | 1 | 0.49 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |
| clock\_speed | speed at which microprocessor executes | 0.5 | 3 | 1.52 | 2000 | 0 |  |
| instructions |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| dual\_sim | Has dual sim support or not | 0 | 1 | 0.51 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |
| fc | Front Camera mega pixels | 0 | 19 | 4.31 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |
| four\_g | Has 4G or not | 0 | 1 | 0.52 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |
| int\_memory | Internal Memory in Gigabytes | 2 | 64 | 32 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |
| m\_dep | Mobile Depth in cm | 0.1 | 1 | 0.5 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |
| mobile\_wt | Weight of mobile phone | 80 | 200 | 140 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |
| n\_cores | Number of cores of processor | 1 | 8 | 4.52 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |
| pc | Primary Camera mega pixels | 0 | 20 | 9.92 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |
| px\_height | Pixel Resolution Height | 0 | 1960 | 645 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| px\_width | Pixel Resolution Width | 500 | 1998 | 1250 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |
| ram | Random Access Memory in Mega Bytes | 256 | 3998 | 2120 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |
| sc\_h | Screen Height of mobile in cm | 5 | 19 | 12.3 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |
| sc\_w | Screen Width of mobile in cm | 0 | 18 | 5.77 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |
| talk\_time | longest time that a single battery charge | 2 | 20 | 11 | 2000 | 0 |  |
| will last when you are |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| three\_g | Has 3G or not | 0 | 1 | 0.76 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |
| touch\_screen | Has touch screen or not | 0 | 1 | 0.5 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |
| wifi | Has wifi or not | 0 | 1 | 0.51 | 2000 | 0 |  |
|  |  |  |  |  |  |  |  |
|  | This is the target variable with value of |  |  |  |  |  |  |
| price\_range | 0(low cost), 1(medium cost), 2(high cost) | 0 | 3 | 1.5 | 2000 | 0 |  |
| and 3(very high cost). |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |