Full description is available at:

<https://archive.ics.uci.edu/ml/datasets/student+performance>

Information on the grade scale in Portugal:

<https://www.studyineurope.eu/study-in-portugal/grades>

The letter grades are reversed: low grades are better, and high grades are worse (0 is an A… 5 is an F)

Binary grades are 0 for fail, and 1 for pass

Codes for the following variables are:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variable** | **0** | **1** | **2** | **3** | **4** |
| school | GP | MS |  |  |  |
| sex | F | M |  |  |  |
| address | R | U |  |  |  |
| famsize | GT3 | LE3 |  |  |  |
| Pstatus | A | T |  |  |  |
| Medu | 0 | 1 | 2 | 3 | 4 |
| Pedu | 0 | 1 | 2 | 3 | 4 |
| Mjob | at\_home | health | other | services | teacher |
| Fedu | at\_home | health | other | services | teacher |
| guardian | father | mother | other |  |  |
| reason | course | home | other | reputation |  |
| schoolsup | no | yes |  |  |  |
| famsup | no | yes |  |  |  |
| paid | no | yes |  |  |  |
| activities | no | yes |  |  |  |
| nursery | no | yes |  |  |  |
| higher | no | yes |  |  |  |
| internet | no | yes |  |  |  |
| romantic | no | yes |  |  |  |