Codebook UCH-FCFM-GRADES 2010-2014

The dataset has been anonymized and provided for research purposes by professor Sergio Celis <[scelis@ing.uchile.cl](mailto:scelis@ing.uchile.cl)> to Carlos Castillo <[carlos.castillo@upf.edu](mailto:carlos.castillo@upf.edu)> for studies of bias and algorithmic fairness. This dataset is private and must not be redistributed.

# **Description**

For each student, we have PSU scores. The PSU is Chilean's equivalent to the [SAT](https://en.wikipedia.org/wiki/SAT) in the US. Each PSU has around 80 questions and lasts 2 hours 30 minutes. Scores go from 150 to 850 points. Students are admitted to a school in a university (in this case, the School of Engineering) according to a weighted average score including PSUs and high school grades. Each school can chose their own weights.

Another important element are the number of credits ("UDs") taken and passed in each semester by a sample of students in the school of engineering of the University of Chile from 2010 to 2014.

# Codebook

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| **Column name** | **Description** | **Notes** |
| alt\_id | Student identifier: an anonymous identifier of a student. |  |
| sem | The semester number in the school | The career lasts 5 years (10 semesters). |
| ano\_in | *Año de ingreso* - The first year in which the student attended the university. | In Chile the selection tests for the university are taken in December and the academic year starts on March. |
| Nem | *Notas de enseñanza media* - The average grade in high school of the student | This is a kind of [Grade Point Average](https://en.wikipedia.org/wiki/Grading_in_education) (GPA). It goes from 1.0 to 7.0 in Chile. |
| psu\_mat | *Prueba de Selección Universitaria, Matemáticas* - Score in the math test. |  |
| psu\_len | *Prueba de Selección Universitaria, Lenguaje* - Score in the Spanish language test. |  |
| psu\_cie | *Prueba de Selección Universitaria, Ciencias* - Score in a general sciences test. |  |
| psu\_esp\_mat | *Prueba de Selección Universitaria, Especial de Matemáticas* - Score in an additional math test which is harder than the general math test. |  |
| pu\_esp\_fis | *Prueba de Selección Universitaria, Especial de Física* - Score in a physics test. |  |
| psu\_pond | *PSU Ponderado* - weighted average of PSU scores |  |
| rank\_in | ??? | ??? |
| rank\_em | ??? | ??? |
| tip\_ing | *Tipo de ingreso* - Mechanism for entering university. The most common one is "PAA o PSU" meaning the normal way, this is the main part for the anlaysis, together with the "Equidad de Género" programme. | The *"Equidad de Género*" programme is a positive action program that works as follows: if the university has K slot; the candidates are sorted by psu\_pond and then the first K-50 candidates in the list are admitted. Then, the next 50 women in the list are admitted. |
| uds\_i\_ | *Unidades Docentes (UDs) Inscritas* - The number of credits the student took | Normal is 50 credits, which means about 5 subjects. |
| uds\_r\_ | *UDs Reprobadas* - The number of credits the student failed |  |
| uds\_e\_ | *UDs Eliminadas* - The number of credits the student dropped (students can drop a subject if they think they are very likely to fail it). In genral you can drop a subject once and fail it once. |  |
| notas\_ | The average grade obtained by the student in the subjects. | From 1.0 to 7.0. |
| inactivo | Is the student inactive? A 1 mean the student is inactive, meaning s/he took no subjects. |  |
| rat\_ud | *Ratio of UDs* - The fraction of UDs the student failed. |  |
| hombre | 1 if man, 0 if woman |  |
| muni | 1 if the student comes from a municipalized (public) school, 0 otherwise | Municipalized schools are public, depend on their municipality, and tend to have much less resources than other types of school |
| sub | 1 if the student comes from a subsidized (semi-private) school, 0 otherwise | Subsidized schools are private but supported by a [voucher system](https://en.wikipedia.org/wiki/School_voucher) |
| part | 1 if the student comes from a private school, 0 otherwise | Private school |
| rm | 1 if the student comes from Santiago, 0 otherwise | Students not coming from Santiago live 2 or more hours away by bus from the school, which means most likely they are no longer living with their parents. |
| sipee | 1 if the student is applying through the *Sistema de Ingreso Prioritario de Equidad Educativa* which is a positive action program that allows students from poor municipalized schools to enter university even if their PSU scores aren't that good, 0 otherwise |  |
| bea | ??? | ??? |
| deporte | 1 if the student entered through a program for sports, 0 otherwise |  |
| genero | 1 if the student entered through the "Equidad de Género" programme, 0 otherwise |  |