CAP 5302, Project: Data Description

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1. Source and inspiration for data set

- **Data Source:** data.world
- **Dataset:** Student Alcohol Consumption - Portuguese class students
- **Description:** Secondary school student alcohol consumption data with social, gender and study information.
- **Link:** https://data.world/data-society/student-alcohol-consumption

2. Data size

- **Variables:** 33 attributes
- **Observations:** 650 students in the Portuguese class

3. Variable Descriptions

- **School:** student's school (GP- Gabriel Pereira, MS- Mousinho da Silveira)
- **Gender:** student's gender (F- female, M- male)
- **Age:** student's age (15 to 22)
- **Address:** student's home address (U- urban, R- rural)
- **Family.Size:** family size(LE3- less than 3, GT3- greater than 3)
- **Parental.Status:** parent's cohabitation status (T- living together, A- apart)
- **Mothers.Edu:** mother's education (0- none, 1- 4th grade, 2- 5th to 9th **grade, 3- 10th to 12th, 4- higher education)
- **Fathers.Edu:** father's education (0- none, 1- 4th grade, 2- 5th to 9th grade, 3- 10th to 12th, 4- higher education)
- **Mothers.Job:** mother's job (teacher, health care related, civil services, at home, other)
- **Fathers.job:** father's job (teacher, health care related, civil services, at home, other)
- **Reason.for.school.choice:** reason for school choice (close to home, school reputation, course preference, other)
- **Students.guardian:** student's guardian (mother, father or other)
- **Travel.time:** home to school travel time (1- <15 mins, 2- 15 to 30 mins, 3- 30 mins to 1 hr, 4- >1 hr)
- **Study.time:** weekly study time (1- <2 hrs, 2- 2 to 5 hrs, 3- 5 to 10 hrs, 4- >10 hrs)
- **Num.past.class.failures:** number of past class failures (n if n<=3, else 4)
- **School.support:** extra educational support (yes or no)
- **Family.support:** family educational support (yes or no)
- **Extra.port.classes:** extra paid courses within course subject (yes or no)
- **Activities:** participate in extracurricular activities (yes or no)
- **Nusery.School:** attended nursery school (yes or no)

- **Wants.higher.ed:** desire for higher education (yes or no)
- **Home.internet:** internet access at home (yes or no)
- **Romantic.Relationship:** in a romantic relationship (yes or no)
- **Family.rel.qual:** quality of family relationships (1- very bad to 5- very good)
- **Free.time.categorical:** free time from school (1- very low to 5- very high)
- **Time.out.categorical:** time spent going out with friends (1- very low to 5- very high)
- **Workday.alc:** workday alcohol consumption (1- very low to 5- very high)
- **Weekend.alc:** weekend alcohol consumption (1- very low to 5- very high)
- **Health.categorical:** health status (1- very bad to 5- very good)
- **Count.absences:** total number of school absences (0 to 93)
- **First.term.grade:** first period grade (0 to 20)
- **Second.term.grade:** second period grade (0 to 20)
- **Final.Grade:** final grade (0 to 20)