

## PRODID project – List of variables

*id\_student*: student unique identification number

*id\_teacher*: teacher unique identification number

*id\_course*: course unique identification number

### Student variables

*rate\_teacher\_ability*: ordinal variable (rating on teacher ability to motivate students, from 1 = “Very low” to 10 “Very high”)

*female\_student*: dummy variable (0 = “No”; 1 = “Yes”)

*age\_student*: continuous variable (age at the beginning of academic year 2012/2013)

*grade\_high\_school*: continuous variable

*year\_enrol*: categorical variable (student year of enrollment in the degree)

*regular\_enrol*: dummy variable (0 = “No”; 1 = “Yes”)

*passed\_exams*: continuous variable

### Teacher variables

*female\_teacher*: dummy variable (0 = “No”; 1 = “Yes”)

*age\_teacher*: continuous variable (age at the beginning of academic year 2012/2013)

*position\_teacher*: categorical variable (1 = “Assistant Prof”; 2 “Associate Prof”; 3 “Full Prof”)

*responsability\_teacher*: dummy variable (0 = “No”; 1 = “Yes”)

### Course variables

*compulsory\_course*: dummy variable (0 = “No”; 1 = “Yes”)

*course\_with\_more\_teachers*: dummy variable (0 = “No”; 1 = “Yes”)

*course\_total\_hours*: continuous variable

*credits*: categorical variable

*course\_year*: categorical variable (course year of enrollment in the degree)

*Padua\_course\_location*: dummy variable (0 = “No”; 1 = “Yes”)

*shared\_course*: dummy variable (0 = “No”; 1 = “Yes”)

*course\_size*: continuous variable

*school*: categorical variable (1 = "Agronomy and Veterinary"; 2 = "Social Sciences"; 3 = "Engineering"; 4 = "Psychology"; 5 = "Sciences"; 6 = "Humanities")

### Prodid variables

*q01\_active\_learning*: dummy variable (0 = “No”; 1 = “Yes”)

*q02\_external\_contrib*: dummy variable (0 = “No”; 1 = “Yes”)

*q03\_progress\_monitor*: dummy variable (0 = “No”; 1 = “Yes”)

*q04\_integrated\_evaluation\_tools*: dummy variable (0 = “No”; 1 = “Yes”)

*q05\_considering\_stud\_rate*: dummy variable (0 = “No”; 1 = “Yes”)

*q06\_english\_use\_changes\_teach*: dummy variable (0 = “No”; 1 = “Yes”)

*q07\_multimedia\_support*: dummy variable (0 = “No”; 1 = “Yes”)

*q08\_multimedia\_production*: dummy variable (0 = “No”; 1 = “Yes”)

*q09\_online\_platform\_use*: dummy variable (0 = “No”; 1 = “Yes”)

*q11\_teaching\_passion*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q12\_teaching\_experience*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q13\_theoretical\_knowledge*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q14\_learning\_stimulate*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q15\_student\_cooperation*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q16\_technologies\_for\_learning*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q17\_student\_opinion\_relevant*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q18\_single\_exam\_better*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q19\_teacher\_opinion\_to\_ask*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q20\_customize\_teaching*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q21\_english\_teach\_valuable*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q22\_coherent\_syllabus*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q23\_adapt\_teaching\_to\_student*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q24\_assessment\_tools*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q25\_consulting\_experts*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q26\_training\_seminars*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q27\_discuss\_teaching*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q28\_support\_technologies*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q29\_research\_passion*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)  
*q30\_research\_experience*: ordinal variable (1 = “Fully disagree”;...; 7 = “Fully agree”)

Course mean of ratings on:

*md02*: teacher clarity of examination procedures  
*md03*: teacher respecting schedules of teaching activities  
*md04*: appropriateness of the total hours devoted to teaching activities  
*md05*: preliminary knowledge to understand the topics  
*md06*: teacher ability to motivate students  
*md07*: teacher clarity of the presented topics  
*md08*: appropriateness of the recommended course material  
*md09*: teacher availability for clarifications and explanations  
*md10*: teacher respecting schedules of office hours  
*md11*: usefulness of workshops, tutorials and seminars, if provided in teaching  
*md12*: appropriateness of classrooms  
*md13*: appropriateness of spaces and equipment for workshops  
*CMd14*: overall level of satisfaction of the course  
*md15*: balance between study load and assigned credits  
*md16*: interesting contents, regardless of the course management  
*md17*: consistency between course management and objectives  
*md18*: provision of appropriate expertise for working