

DESCRIPTION OF THE VARIABLES OF THE FILE “PRODID”

This dataset is obtained by merging three different datasets coming from the University of Padua. The reference is the 2012-2013 academic year:

- The first section is the standard online survey carried out by the University to measure students' opinions on the didactic activities
- The second one is the administrative dataset that collects information on the teachers and the didactic activities of all Padua academic institutions (the educational offer)
- The third one is an innovative dataset, collected by means of a new online survey aiming at providing a picture of the teaching experiences developed in the university classrooms. Following an evidence-based approach, the PRODID project was started, aiming at highlighting teachers' *needs*, *beliefs* and *practices* of teaching and learning.

<i>Progressive number of field</i>	<i>Name of field</i>	<i>Type of field</i>	<i>Length of field</i>	<i>Contents</i>
1	ID_STUDENT	Numerical	5	Student unique identification number
2	ID_TEACHER	Numerical	4	Teacher unique identification number
3	ID_COURSE	Numerical	4	Course unique identification number
STUDENT VARIABLES				
4	RATE_TEACHER_ABILITY	Numerical	2	Rating on teacher's ability to motivate students (from 1 = "Very low" to 10 = "Very high")
5	FEMALE_STUDENT	Numerical	1	Whether the student is a woman: <ul style="list-style-type: none"> • 0 = No • 1 = Yes
6	AGE_STUDENT	Numerical	2	Age of the student at the beginning of academic year 2012/2013
7	GRADE_HIGH_SCHOOL	Numerical	3	Grade at high school
8	YEAR_ENROL	Numerical	1	Student year of enrollment in the degree
9	REGULAR_ENROL	Numerical	1	Whether the student is regularly enrolled in the degree: <ul style="list-style-type: none"> • 0 = No • 1 = Yes
10	PASSED_EXAMS	Numerical	2	Number of passed exams
TEACHER VARIABLES				
11	FEMALE_TEACHER	Numerical	1	Whether the teacher is a woman: <ul style="list-style-type: none"> • 0 = No • 1 = Yes
12	AGE_TEACHER	Numerical	2	Age of the teacher at the beginning of academic year 2012/2013
13	POSITION_TEACHER	Numerical	1	Position of the teacher: <ul style="list-style-type: none"> • 1 = Assistant Prof • 2 = Associate Prof • 3 = Full Prof
14	RESPONSABILITY_TEACHER	Numerical	1	Dummy variable: <ul style="list-style-type: none"> • 0 = No • 1 = Yes
COURSE VARIABLES				
15	COMPULSORY_COURSE	Numerical	1	Whether the course is compulsory: <ul style="list-style-type: none"> • 0 = No • 1 = Yes

16	COURSE_WITH_MORE_TEACHERS	Numerical	1	Dummy variable: <ul style="list-style-type: none"> • 0 = No • 1 = Yes
17	COURSE_TOTAL_HOURS	Numerical	3	Length of the course (hours)
18	CREDITS	Numerical	2	Number of credits of the course
19	COURSE_YEAR	Numerical	1	Course year of enrollment in the degree
20	PADUA_COURSE_LOCATION	Numerical	1	Whether the course is located in Padua: <ul style="list-style-type: none"> • 0 = No • 1 = Yes
21	SHARED_COURSE	Numerical	1	Whether it is a shared course: <ul style="list-style-type: none"> • 0 = No • 1 = Yes
22	COURSE_SIZE	Numerical	3	Size of the course
23	SCHOOL	Numerical	1	School of the course: <ul style="list-style-type: none"> • 1 = Agronomy and Veterinary • 2 = Social Sciences • 3 = Engineering • 4 = Psychology • 5 = Sciences • 6 = Humanities
PRODIG VARIABLES				
24	Q01_ACTIVE_LEARNING	Numerical	1	Whether the teacher practices active learning: <ul style="list-style-type: none"> • 0 = No • 1 = Yes
25	Q02_EXTERNAL_CONTRIB	Numerical	1	Whether the teacher makes use of external contributors: <ul style="list-style-type: none"> • 0 = No • 1 = Yes
26	Q03_PROGRESS_MONITOR	Numerical	1	Whether the teacher monitors students' progress: <ul style="list-style-type: none"> • 0 = No • 1 = Yes
27	Q04_INTEGRATED_EVALUATION_TOOLS	Numerical	1	Whether the teacher makes use of integrated evaluation tools: <ul style="list-style-type: none"> • 0 = No • 1 = Yes
28	Q05_CONSIDERING_STUD_RATE	Numerical	1	Whether the professor teaches considering students' ratings: <ul style="list-style-type: none"> • 0 = No • 1 = Yes
29	Q06_ENGLISH_USE_CHANGES_TEACH	Numerical	1	Whether the teacher practiced that teaching in English leads to change teaching: <ul style="list-style-type: none"> • 0 = No • 1 = Yes

30	Q07_MULTIMEDIA_SUPPORT	Numerical	1	Whether the professor teaches with the support of multimedia materials: <ul style="list-style-type: none"> • 0 = No • 1 = Yes
31	Q08_MULTIMEDIA_PRODUCTION	Numerical	1	Whether the teacher produces multimedia teaching materials: <ul style="list-style-type: none"> • 0 = No • 1 = Yes
32	Q09_ONLINE_PLATFORM_USE	Numerical	1	Whether the teacher makes advanced use of online platforms: <ul style="list-style-type: none"> • 0 = No • 1 = Yes
33	Q11_TEACHING_PASSION	Numerical	1	Whether the teacher feels a real passion for teaching (from 1 = “Fully disagree” to 7 = “Fully agree”)
34	Q12_TEACHING_EXPERIENCE	Numerical	1	Whether the teacher feels teaching as an exciting experience (from 1 = “Fully disagree” to 7 = “Fully agree”)
35	Q13_THEORETICAL_KNOWLEDGE	Numerical	1	Whether the teacher believes that a teacher must transmit theoretical knowledge (from 1 = “Fully disagree” to 7 = “Fully agree”)
36	Q14_LEARNING_STIMULATE	Numerical	1	Whether the teacher believes that active teaching stimulates learning (from 1 = “Fully disagree” to 7 = “Fully agree”)
37	Q15_STUDENT_COOPERATION	Numerical	1	Whether the teacher believes that students’ cooperation is useful (from 1 = “Fully disagree” to 7 = “Fully agree”)
38	Q16_TECHNOLOGIES_FOR_LEARNING	Numerical	1	Whether the teacher believes that advanced technologies promotes students’ learning (from 1 = “Fully disagree” to 7 = “Fully agree”)
39	Q17_STUDENT_OPIONION_RELEVANT	Numerical	1	Whether the teacher believes that students’ opinions are relevant (from 1 = “Fully disagree” to 7 = “Fully agree”)
40	Q18_SINGLE_EXAM_BETTER	Numerical	1	Whether the teacher believes that a single exam is better than an integrated exam (from 1 = “Fully disagree” to 7 = “Fully agree”)

41	Q19_TEACHER_OPINION_TO_ASK	Numerical	1	Whether the teacher believes that the teacher's opinion should be asked (from 1 = "Fully disagree" to 7 = "Fully agree")
42	Q20_COSTUMIZE_TEACHING	Numerical	1	Whether the teacher believes that a teacher should customize teaching according to student needs (from 1 = "Fully disagree" to 7 = "Fully agree")
43	Q21_ENGLISH_TEACH_VALUEABLE	Numerical	1	Whether the teacher believes that teaching in English is an added value (from 1 = "Fully disagree" to 7 = "Fully agree")
44	Q22_COHERENT_SYLLABUS	Numerical	1	Whether the teacher believes that a teacher need to make syllabus coherent with learning outcomes (from 1 = "Fully disagree" to 7 = "Fully agree")
45	Q23_ADAPT_TEACHING_TO_STUDENT	Numerical	1	Whether the teacher believes that a teacher need to adapt teaching proposal to student training (from 1 = "Fully disagree" to 7 = "Fully agree")
46	Q24_ASSESMENT_TOOLS	Numerical	1	Whether the teacher believes that a teacher need to acquire assessment tools on students learning (from 1 = "Fully disagree" to 7 = "Fully agree")
47	Q25_CONSULTING_EXPERTS	Numerical	1	Whether the teacher believes that a teacher need to consult teaching experts (from 1 = "Fully disagree" to 7 = "Fully agree")
48	Q26_TRAINING_SEMINARS	Numerical	1	Whether the teacher believes that a teacher need training seminars on educational topics (from 1 = "Fully disagree" to 7 = "Fully agree")
49	Q27_DISCUSS_TEACHING	Numerical	1	Whether the teacher believes that a teacher need to discuss teaching methods (from 1 = "Fully disagree" to 7 = "Fully agree")
50	Q28_SUPPORT_TECHNOLOGIES	Numerical	1	Whether the teacher believes that a teacher needs support to integrate technologies in teaching (from 1 = "Fully disagree" to 7 = "Fully agree")
51	Q29_RESEARCH_PASSION	Numerical	1	Whether the teacher feels a real passion for research (from 1 = "Fully disagree" to 7 = "Fully agree")

52	Q30_RESEARCH_EXPERIENCE	Numerical	1	Whether the teacher feels research as an exciting experience (from 1 = “Fully disagree” to 7 = “Fully agree”)
COURSE MEAN OF RATINGS ON				
53	MD02	Numerical	2	Teacher’s clarity of examination procedures (from 1 to 10)
54	MD03	Numerical	2	Teacher respecting schedules of teaching activities (from 1 to 10)
55	MD04	Numerical	2	Appropriateness of the total hours devoted to teaching activities (from 1 to 10)
56	MD05	Numerical	2	Preliminary knowledge to understand the topics (from 1 to 10)
57	MD06	Numerical	2	Teacher’s ability to motivate students (from 1 to 10)
58	MD07	Numerical	2	Teacher’s clarity of the presented topics (from 1 to 10)
59	MD08	Numerical	2	Appropriateness of the recommended course material (from 1 to 10)
60	MD09	Numerical	2	Teacher availability for clarifications and explanations (from 1 to 10)
61	MD10	Numerical	2	Teacher respecting schedules of office hours (from 1 to 10)
62	MD11	Numerical	2	Usefulness of workshop, tutorials and seminars, if provided in teaching (from 1 to 10)
63	MD12	Numerical	2	Appropriateness of classrooms (from 1 to 10)
64	MD13	Numerical	2	Appropriateness of spaces and equipment for workshops (from 1 to 10)
65	CMD14	Numerical	2	Overall level of satisfaction of the course (from 1 to 10)
66	MD15	Numerical	2	Balance between study load and assigned credits (from 1 to 10)
67	MD16	Numerical	2	Interesting contents, regardless of the course management (from 1 to 10)
68	MD17	Numerical	2	Consistency between course management and objectives (from 1 to 10)
69	MD18	Numerical	2	Provision of appropriate expertise for working (from 1 to 10)