

# A Description of the Data in a Kyote Download Spreadsheet

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This is a description, in the form of an annotated sample, of the data fields in a typical download of Kyote college readiness or practice exam data. The sample, from an October, 2017 practice exam for the Kyote College Algebra Exam, was scheduled and administered through one of the new Kyote Practice Classes. All references to the school, teacher, and individual students have been edited so that, for example, the download appears to be from the Muhammed Ali High School<sup>1</sup>, and the eighteen students are: Student1 Math1, Student2 Math2, ... etc. The four images below are edited portions of the sample download in which we have attempted to very briefly describe the data in each column. The reader will note that the column ranges in the third and fourth images have been compressed. For example, the third omits all columns strictly between AA and BB to avoid repetition in describing the question data. Similarly, the fourth omits all columns strictly between BE and BW and those strictly between BZ and CR to avoid repeating descriptions of standards data.

The reader who is familiar with downloads of sessions prior to October, 2017 will note that the standards data and the standards table have been added. The individual problems on practice exams and the college readiness reading exam reference the Kyote standards and the standards descriptions and a table of scores have previously been presented on the individual student submissions. For exams that reference standards all of that individual data, together with a Standards Table which summarizes it for the session, is now in the download. The table appears in Columns A-D, below the individual student data. With it the teacher can gain a snapshot of the collective student facility on each standard,

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<sup>1</sup> At his writing there is no such school in Kentucky.

as measured by the current download. For instance, as seen in the first image below, this group of students scored 80.56% on the first standard but only 30.56% on the second<sup>2</sup>.

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<sup>2</sup> The descriptions are compressed in the downloads. Expanding column A will reveal the full text for each.

D24 Each row represents one exam taken by one student. In this example all of the data for the student "Student2 Math2" is on the row numbered "3" of the spreadsheet.

	A	B	C	D	E	F	G	H	I	J	K
1	sessionId	sessionName	sessionStatus	sessionAffiliation	className	examCode	examId	examName	version	firstName	lastName
2	57262	Math Prac	50	Muhamme	Math Prac	Xbd64d617	2017	PRACTICE	-1E+07	Math1	Student1
3	57262	Math Prac	50	Muhamme	Math Prac	Xbd64d618	2017	PRACTICE	1.63E+09	Math2	Student2
4	57262	Math Prac		hamme	Math Prac	Xbd64d616					
5	57262	Math Prac		hamme	Math Prac	Xbd64d617					

**Column A:**  
The sessionId is the Kyote system identifier for the session in which the student took the exam

**Column B:**  
This is the session name declared when the session was scheduled

**Column C:**  
This is an internal record which indicates whether the session is deleted or not.

**Column D:**  
This is the name of the school associated to the placement class in which the session was scheduled.

**Column F:**  
An identifier derived from the exam code specified when the session was scheduled.

**Column G:**  
A numerical identifier for the exam the student took (e.g. the college algebra exam).

**Column I:**  
A numerical identifier for the version of the exam that was taken by the student. In this case the student in the second row took version 1630000000 of the exam with examId=2017

**Column E:**  
the name of the placement class in which the session was scheduled.

**Column H:**  
The ExamName is an internal text identifier for the exam the student took (e.g. the college algebra exam)

**Columns J,K:**  
The first and last name of the student whose data is on this row.

23	Standards Table			
24	Standard	SessionScore	SessionMax	SuccessPercentage
25	CR_Math-	29	36	80.56
26	CR_Math-	11	36	30.56
27	CR_Math-	9	18	50
28	CR_Math-	4	18	22.22
29	CR_Math-	6	18	33.33
30	CR_Math-	24	36	66.67
31	CR_Math-	4	18	22.22
32	CR_Math-	9	36	25
33	CR_Math-	4	18	22.22
34	CR_Math-	6	18	33.33
35	CR_Math-	7	18	38.89
36	CR_Math-	22	36	61.11

The "Standards Table" for the scores in a download appears in columns A-D below the student data. Each standard is a row of the table.

- Column A contains the name and description of the standard.
- The SessionScore in column B gives the total number of correct responses to questions referencing the standard.
- The SessionMax is the maximum number of possible correct responses to questions referencing the standard. It is the number of students in the session times the number of questions referencing the standard. In this example there were 18 students. Standard 1 was referenced by two problems and standard 3 by one.
- The SuccessPercentage in Column D is the ratio of the SessionScore to the SessionMax, expressed as a percentage.

A21 : X ✓ fx

	L	M	N	O	P	Q	R	S	T	U
1	subStudNb	acctId	submitor	date	multiplicity	base	numQues	numRight	normalized	elapsedTin
2	100001	ABCF-5BCI	28190001	11/13/2017 13:29	27	1	31	17	17	0:39:55
3	100003	ABCF-5BCI	28190003	11/13/2017 0:17	27	1	31	15	15	0:37:00
4	100002	ABCF-5BCI	28190002	11/13/2017 0:29	27	1	31	17	17	0:39:55
5	100004	ABCF-5BCI	28190004	11/13/2017 0:29	27	1	31	17	17	0:39:55
6	100005	ABCF-5BCI	28190005	11/13/2017 0:29	27	1	31	17	17	0:39:55
7	100006	ABCF-5BCI	28190006	11/13/2017 0:29	27	1	31	17	17	0:39:55
8	100007	ABCF-5BCI	28190007	11/13/2017 0:29	27	1	31	17	17	0:39:55
9	100008	ABCF-5BCI	28190008	11/13/2017 0:29	27	1	31	17	17	0:39:55
10	100009	ABCF-5BCI	28190009	11/13/2017 0:29	27	1	31	17	17	0:39:55
11	100010	ABCF-5BCI	28190010	11/13/2017 0:29	27	1	31	17	17	0:39:55
12	100011	ABCF-5BCI	28190011	11/13/2017 0:29	27	1	31	17	17	0:39:55
13	100012	ABCF-5BCI	28190012	11/13/2017 0:29	27	1	31	17	17	0:39:55
14	100013	ABCF-5BCI	28190013	11/13/2017 0:29	27	1	31	17	17	0:39:55
15	100014	ABCF-5BCI	28190014	11/13/2017 0:29	27	1	31	17	17	0:39:55
16	100015	ABCF-5BCI	28190015	11/13/2017 0:29	27	1	31	17	17	0:39:55
17	100016	ABCF-5BCI	28190016	11/13/2017 0:29	27	1	31	17	17	0:39:55
18	100017	ABCF-5BCI	28190017	11/13/2017 0:29	27	1	31	17	17	0:39:55
19	100018	ABCF-5BCI	28190018	11/13/2017 0:29	27	1	31	17	17	0:39:55
20	100019	ABCF-5BCI	28190019	11/13/2017 0:29	27	1	31	17	17	0:39:55
21	100020	ABCF-5BCI	28190020	11/13/2017 0:29	27	1	31	17	17	0:39:55
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**Column L:**  
This is the Student Number specified when the student account was created

**Column M:**  
This is an internal Kyote system identifier for the account that took the exam.

**Column O:**  
This is the date and time at which the exam was submitted.

**Column N:**  
The submissionId is a unique number assigned to the individual submission

**Column P:**  
The multiplicity is the number of problems in pool from which each problem was selected for each exam in the session. No two problems in the exam came from the same pool.

**Column Q:**  
The base gives the number of problems in the exam that are not graded. The exam header is treated as such a problem so the "1" in this case says it is the only one.

**Column R:**  
numQues is the total number of questions. Since the base is 1 there are 30 graded questions on the exam.

**Column S:**  
The number of exam questions that were answered correctly.

**Column U:**  
This is the amount of time between when the exam was opened and it was submitted.

**Column T:**  
For different exams the numRight is adjusted to give a normalized score. For practice exams the normalized score is the numRight.

PracticeplacementExamResults\_StandardsSample4.xlsx - Ex

FILE HOME INSERT PAGE LAYOUT FORMULAS DATA REVIEW VIEW DEVELOPER

Z8 : X ✓ fx 1

	V	W	X	Y	Z	AA	BB	BC
1	subFlags	sessionScheduler	submissionGradir	Q1	Q2	Q3	Q30	Q31
2	8	Math Teacher	Grading Finalized	0	1	1	1	0
3	8	Math Teacher	Grading Finalized	1	1	0	0	0
4	8	Math Teacher	Grading Finalized	1	1	1	0	0
		Math Teacher	Grading Finalized	0	1	1	0	0
		Math Teacher	Grading Finalized	1	1	0	1	0
		Math Teacher	Grading Finalized	0	1	1	0	0
				1	1	1	0	0
				1	1	1	1	0
17	8	Math Teacher	Grading Finalized					
18	8	Math Teacher	Grading Finalized					
19	8	Math Teacher	Grading Finalized					
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**Column V:**  
subFlags is an internal record of the grading status of the exam. column X contains the same information in text form.

**Column W:**  
The owner of the account that scheduled the session.

**Column X:**  
This column is used for submissions such as the writing exam and indicates the grading status of the submission.

**Columns Y-BC**

Each of these columns represents one question on the exam. Column BC (question 31) is special as it represents the header which is not graded. A "1" in the column indicates that the correct answer was submitted and a "0" indicates otherwise. In general "Qn", where "n" is the largest such value, represents the header question and is not graded.

For a row, the total number of "1's" in columns AA-BB is numRight (Column S).

CX33 : [X] [✓] [fx]

	BD	BE	BW	BX	BY	BZ	CR	CS
1	Std1	Std2	Std20	Std21	Max1	Max2	Max20	Max21
2	0.5	0.5	0	0.5	2	2	2	2
3	1	0	1	0	2	2	2	2
4	1	0	1	0	2	2	2	2
5	0.5	0	0	0	2	2	2	2
6				0	2	2	2	2
7				0.5	2	2	2	2
8				0				2
9				0.5				2
10				0				2
11				0				2
12				0.5				2
13				0.5				2
14				0.5				2
15				0.5				2
16				0.5				2
17				0.5				2
18				1				2
19	0	0.5	0.5	0				2
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**Columns BD-BX**

Each of these 21 columns represents a standard for this exam. On a given row, the number in the column is the fraction of the questions on the exam that specifically reference the standard that were answered correctly.

**Columns BY-CS**

Each of these 21 columns represents a standard for the exam. On a given row, the number in the column is the number of questions on the exam that specifically reference the standard