



Smarter Balanced Reporting
Data Specification Format
Individual Item Response Data

Prepared for:



by:



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Approvals

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Revision History

Revision Description	Author/Modifier	Date
Initial Release (DRAFT)	Nik Estep (Amplify)	2014.06.03
Milestone 7 Update	Stanley Chung (Amplify)	2014.12.23



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Item Level Data Dictionary

For each assessment record, the set of responses that the student submitted to the items they were presented with is stored separately for external analysis.

Item Level data is composed of a set of CSV files. CSV files are comma delimited, but do not contain a header row as the first row. Each CSV file contains the item level responses for one student taking one test, also known as an assessment opportunity.

Item Level CSV data format

Name	Description	Width (chars)	Required	Acceptable Values	Data Type	References
key	Identifier for an individual item, as set by the Item Authoring system	40	Y	40 alphanumeric characters allowed, expected to be GUID	xsd:token	https://ceds.ed.gov/CEDSElementDetails.aspx?TermId=3623 CEDS Element ID 000630
studentId	Identifier for the student (repeated in each row, but will not change within a single file)	50	Y	50 alphanumeric characters allowed	xsd:token	https://ceds.ed.gov/CEDSElementDetails.aspx?TermxTopicId=20775 CEDS Element ID 001071
segmentId	Test segment the item was administered on	250	Y	250 alphanumeric characters allowed	xsd:token	
position	Ordinal position of the item on the test		N	Positive 32-bit integer, null allowed	xsd:unsignedInt	



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clientId	Identifier for an individual item, as set by the client	80	Y	80 alphanumeric characters allowed	xsd:token	
operational	1 if test item is operational, 0 if test item is field test	1	Y	0, 1	xsd:boolean	
isSelected	1 if the student submitted their response for scoring, 0 if they did not	1	Y	0, 1	xsd:boolean	
format	Type for the given item	250	Y	associateInteraction choiceInteraction customInteraction drawingInteraction endAttemptInteraction extendedTextInteraction gapMatchInteraction graphicAssociateInteraction graphicGapMatchInteraction graphicOrderInteraction hotspotInteraction hottextInteraction inlineChoiceInteraction matchInteraction mediaInteraction orderInteraction positionObjectInteraction selectPointInteraction sliderInteraction textEntryInteraction uploadInteraction EBSR EQ ER GI HT HTQ MC MI	xsd:token	https://ceds.ed.gov/CEDSElementDetails.aspx?TermxTopicId=21603 CEDS Element ID 001158

				MS NL SA TI TUT WER WORDLIST Stimulus		
score	Number of score points earned by the student, or -1 if the item is not scored		Y	Unsigned float, -1 allowed	xsd:float	
scoreStatus	Provided by independent item scoring engine		Y	NOTSCORED SCORED SCORINGERROR WAITINGFORMACHINESCORE	xsd:token	
adminDate	Date and time item was administered to student		Y	Date + Time	xsd:datetime	https://ceds.ed.gov/CEDSElementDetails.aspx?TermId=3960 CEDS Element ID 000959
numberVisits	Number of times the student modified their response to the item		Y	Positive 32-bit integer	xsd:unsignedInt	
strand	Top level strand in the strand hierarchy the item is on	150	Y	150 alphanumeric characters allowed	xsd:token	
contentLevel	Lowest level strand in the strand hierarchy the item is part of	150	Y	150 alphanumeric characters allowed	xsd:token	
pageNumber	Number of the (online) page the item appears on		Y	Positive 32-bit integer	xsd:unsignedInt	
pageVisits	Number of times the student visited the (online) page this item is on		Y	Positive 32-bit integer	xsd:unsignedInt	



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pageTime	Time (in milliseconds) the student spent on the (online) page this item is on		Y	Signed 32-bit integer	xsd:int	
dropped	1 if the item is active, 0 if the item has been inactivated ("dropped")	1	Y	0, 1	xsd:boolean	