Codebook

PseudoID

The identifier for each student's log, consisting of 10 digits. The values in this data set are a masked version of the original identifier used in operational deployment.

BlockCode

The identifier for the block to which an item belongs. Each form is composed of adjustment, tutorial, general directions, cognitive and survey blocks. Each item is nested within a single block. Block codes identify the type of block, as per the table below. The bolded elements correspond to the part of the block code that identifies its type.

Block Code	Block Description
ADJUST ADJUSTBi Tut-MAT-8 Tut-MAT-8-BiD TYMAT8	Blocks that guide the student through the overall test completion process, by either adjusting the equipment, providing tutorials, or announcing the end of the test.
1717MA4D01GXXX02EX	General test taking directions.
1717MA2N03CLID30EX 1717MA2N09CLIC30EX	Cognitive block of items.
1717MA2N03CLID30SD 1717MA2N09CLIC30SD	Cognitive block of items with the ability to toggle the language to Spanish.
1717MA2N01QSTX15BX	Survey questionnaire.

AccessionNumber

The unique identifier for the item in which the event was executed. An item may be an instruction in a tutorial block, or a question in a cognitive or survey block. Each event is nested within a single item.

ItemTypeCode

The identifier for the type of item in which the event was executed. Examples of item types are Multiple Choice - Single Selection (MCSS), Composite Constructed Response (CompositeCR), Background Questionnaire - Multiple Choice - Multiple Selection (BQMCMS).

ObservableType

The identifier for the executed event (e.g., "Enter Item", "Math Keypress", "Vertical Item Scroll"). 'ObservableType' is one of the attributes that all events in NAEP data must have, alongside 'BlockCode', 'AccessionNumber', 'ItemTypeCode', and 'CumulativeTime'. Some event types have further attributes, which vary by Observable Type and are captured under the 'ExtendedInfo' field. All events of the same type have the same set of extended attributes.

ExtendedInfo

Attributes beyond the common set are captured in the 'extendedInfo' field. The content and structure of this field varies by observable type and will require parsing. For example, 'Click Choice' events will have further attributes such as item part, option and action ('checked', 'unchecked'). For scrolling events, the attributes direction, method, zoom level, x coordinate, and y coordinate are captured.

Cumulative time

The elapsed time, in seconds, up to and including that particular event.