Codebook for MultiLA prepared tracking data

The prepared data will be stored under

> data/prepared/<application_session_id>_tracking_data.rds

in the TrackingDataScripts project. It contains a dataframe of tracked events with the following variables:

- `user_app_sess_code`: user application session code (session code for an individual anonymous or registered user interacting with a specific application session) -- factor
- `user_app_sess_user_id`: user ID for registered users; no further data on individual users is provided in this dataset -- integer for registered users or NA for anonymous users
- `track_sess_id`: tracking session ID (ID indicating a continuous interaction of a user with the application session on a single device) -- integer
- `track_sess_start`: start of the tracking session (first visit of a user on this device for this application session) -- POSIXct time
- `track_sess_end`: end of the tracking session (user closes the browser window of logs out) -- POSIXct time
- `user_agent`: "user agent"" string from the browser -- character string
- `client_ip`: client IP address (if it could be determined)
- `form_factor`: factor; `"desktop"`, `"tablet"` or `"phone"`
- `initial_win_width`: initial client browser window width; numeric
- `initial_win_height`: initial client browser window height; numeric
- `initial_contentview_width`: initial content view width; numeric
- `initial_contentview_height`: initial content view height; numeric
- `initial_contentscroll_width`: initial content scroll area width; numeric
- `initial_contentscroll_height`: initial content scroll area height; numeric
- `event_time`: time the event took place; POSIXct time with millisecond accuracy
- `type`: event type; factor
- `chapter_index`: content chapter index; integer
- `chapter_id`: content chapter ID label; factor
- `ex_label`: question or exercise label; factor
- `ex_id`: question or exercise ID; character string
- `ex_event`: learnr code exercise event type; character string (`"result"` or

`"submitted"`)
- `ex_output`: learnr code exercise R output; character string
- `ex_correct`: learnr code exercise result assessment -- correct or uncorrect; logical
- `xpath`: XPath to HTML element related to the event (if any); character string
- `css`: CSS selector to HTML element related to the event (if any); character string
- `value`: value related to the event; for input events this is the value that was entered; for code exercises this is the code the user submitted; for question exercises, this is the submitted answer (multiple answers are formatted as `[answer1, answer2, ... answern]`); character string
- `coord1`: X coordinate for spatial events like mouse moves or clicks; numeric
- `coord2`: Y coordinate for spatial events like mouse moves or clicks; numeric
- `win_width`: current client browser window width at the time when the event occurred; numeric
- `win_height`: current client browser window height at the time when the event occurred; numeric
- `contentview_width`: current content view width at the time when the event occurred; numeric
- `contentview_height`: current content view height at the time when the event occurred; numeric
- `win_scroll_x`: current client browser window scroll X position; numeric
- `win_scroll_y`: current client browser window scroll Y position; numeric
- `content_scroll_x`: current content area scroll X position; numeric
- `content_scroll_y`: current content area scroll Y position; numeric