

DIY ROI Event Map Example 1

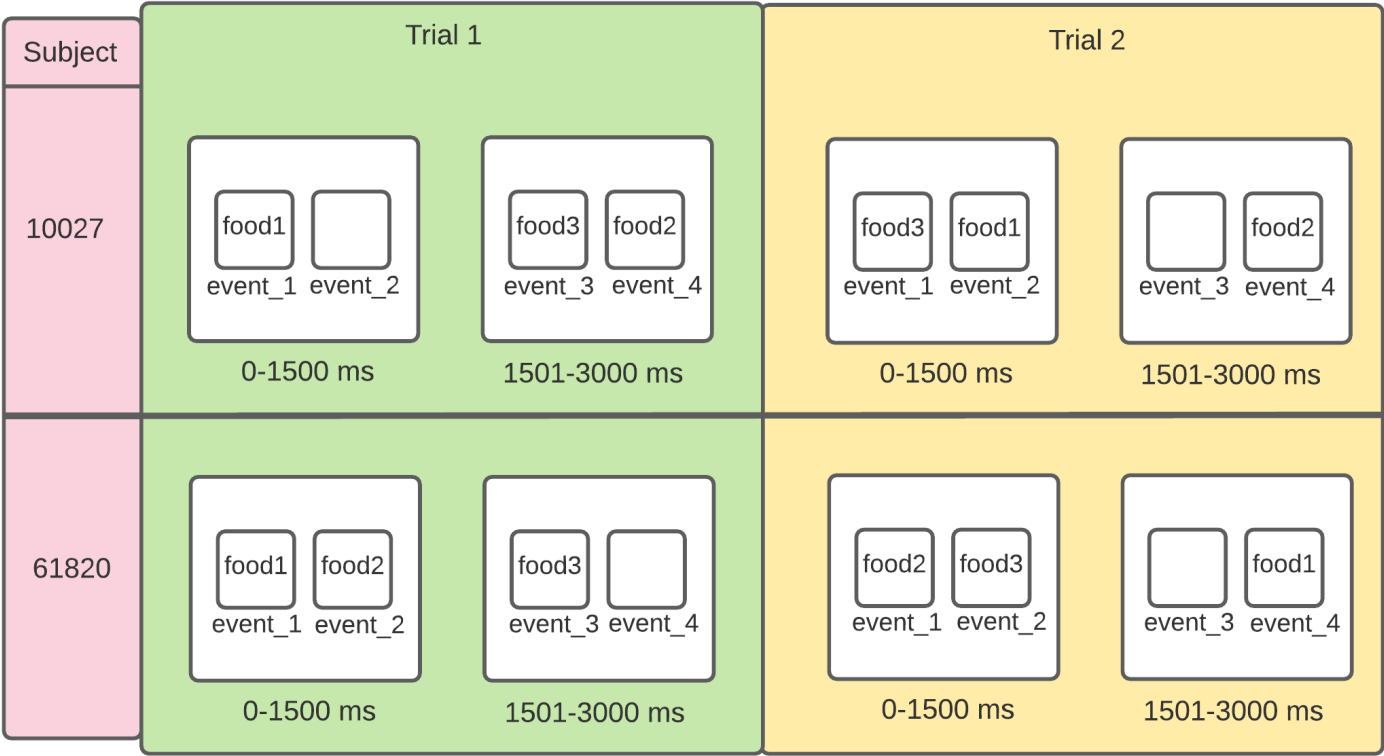
Relevant sections in the User Guide:

- Preparing the Data: *ROI Event Attributes*
- Preparing the Data: *Defining Dynamic ROI*

An ROI event includes information on the location and time window that an ROI appears. In the following example, there are three ROI’s that can appear within any of the four events listed in the *dynamic_event_options* section of the ROI template below.

static						dynamic_roi_metadata			dynamic_event_options					
roi_label	roi_id	top_left_xy	bottom_right_xy	start	stop	event_key_map_column	roi_label	roi_id	key	top_left_xy	bottom_right_xy	start	stop	
screen	1	(0,0)	(1280,1024)	0	3000	food1_key	food1	2	event_1	(645, 492)	(685, 532)	0	1500	
						food2_key	food2	3	event_2	(695, 492)	(735, 532)	0	1500	
						food3_key	food3	4	event_3	(645, 492)	(685, 532)	1501	3000	
									event_4	(695, 492)	(735, 532)	1501	3000	

The following diagram depicts the display screens for two participants across two trials. The label for the displayed ROI is located inside the roi event box. These labels, along with their associated event map column names, can be found in the above ROI template under the *dynamic_roi_metadata* section.



The goal of this exercise is to create an ROI event map in excel. The event map should use the names listed under the *event_key_map_columns* column of the ROI template’s *dynamic ROI metadata* section as column names. The value choices for each column are listed in the ‘key’ column of the *dynamic_event_options* section of the ROI template. The event map should also contain columns that indicate subject and trial ID for each row.

Answer key

subject	trial	food1_key	food2_key	food3_key
10027	1	event_1	event_4	event_3
10027	2	event_2	event_4	event_1
61820	1	event_1	event_2	event_3
61820	2	event_4	event_1	event_2

Subject 10027- Trial 1:

'food1' was displayed in the left ROI box during the 0-1500 ms time window. This location and time matches the 'event_1' key under the *dynamic_event_options* section of the ROI Template. Under the *dynamic_roi_metadata* section of the ROI template, we can see that the food1 label is associated with the 'food1_key' column of the event map. So, we'll add the 'event_1' key under the *food1_key* column of the first trial in the event map.

'food2' was displayed in the right ROI box during the 1501-3000 ms time window. This location and time matches the 'event_4' key under the *dynamic_event_options* section of the ROI Template. Under the *dynamic_roi_metadata* section of the ROI template, we can see that the food2 label is associated with the 'food2_key' column of the event map. So, we'll add the 'event_4' key under the *food2_key* column of the first trial in the event map.

'food3' was displayed in the left ROI box during the 1501-3000 ms time window. This location and time matches the 'event_3' key under the *dynamic_event_options* section of the ROI Template. Under the *dynamic_roi_metadata* section of the ROI template, we can see that the food3 label is associated with the 'food3_key' column of the event map. So, we'll add the 'event_3' key under the *food3_key* column of the first trial in the event map.