During this tutorial, we will analyze the magnetoencephalography (MEG) recording of one participant while she was doing the above task. During this task, this participant performed a lot a trial like the one above. During a trial, she first perceived a gabor patch with different spatial frequency and orientation on the left and right. Then she had to maintain in memory the visual attribute indicated by the cue and compare it to a probe. You will first learn to preprocess the MEG data and then you will learn to decode at each trial what was the left spatial frequency perceived by the participant based on its MEG signal. Let's see if we can predict what a participant is looking at by analyzing her brain waves!