# Adaptation of the Temporal Bisection Task for Remote Collection: Development, Analysis and Validation 

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#### Abstract

The COVID-19 pandemic posed a significant impediment to experimental research, leading several researchers to adapt psychophysical data acquisition. With the development and proliferation of information technology, paper-based organizational processes have gradually begun to be replaced by computer-based equivalents. This study describes how we developed, analyzed data, and validated the temporal bisection task in a remote data acquisition scenario. We implemented the data acquisition using the open science software OpenSesame, in conjunction with the JATOS platform. We described in detail all the steps to use our codes, which we made available for reuse. We acquired data from 28 participants using the remote acquisition system and compared them with data obtained in person (from Penney et al., 2000). Our remote data showed compatible results with live experiments, suggesting that the modality of data acquisition (remote or live) does not influence the results.





