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# **mspelling**

***Release 0.5.0***

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**Jul 31, 2023**



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## MSPELLING

Measure of spelling skills in Spanish

- GitHub repo: <https://github.com/mario-bermonti/mspelling.git>
- Documentation: <https://mspelling.readthedocs.io/>
- Free software: GNU General Public License v3

### 1.1 Features

- Developed specifically for research on spelling skills
- Easy to administer
- Flexible and easy to extend
- Available for MacOS
- Results are saved to a [sqlite database](#)

### 1.2 Description

Words are presented by the computer one at a time and the participant types the word using the keyboard. Participants have a rest period after every 5 trials.

mSpelling saves the results to a [sqlite database](#) at the end of the session.

mSpelling is developed using the [Google's Flutter Framework](#) and has been used in the DeMo and TEST studies ([more info](#)).

## 1.3 Getting Started

Please see [mSpelling documentation](#) for details about how to install and use mSpelling.

## 1.4 Contributing to this project

All contributions are welcome!

We will add instructions for contributing soon.

This is a beginner-friendly project so don't hesitate to ask any questions or get in touch with the project's maintainers.

Please review the [project's code of conduct](#) before making any contributions.

## 1.5 Author

This project was developed by Mario E. Bermonti-Pérez as part of his academic research. Feel free to contact me at [mbermonti@psm.edu](mailto:mbermonti@psm.edu) or

[mbermonti1132@gmail.com](mailto:mbermonti1132@gmail.com).

## 1.6 Citation

If you use mSpelling in your research, please cite as Bermonti-Pérez, M. (2022). mario-bermonti/mspelling: V0.5.0. Zenodo. <https://doi.org/10.5281/zenodo.6468561>

## INSTALLATION

The current method of installation requires downloading mSpelling and allowing your computer to open it (MacOS).

To install mspelling:

1. Download the most recent version of mspelling from the [release page](#)
2. Open the app by double clicking on it

You will probably receive a message that the app cannot be verified and that you should not open it. That is OK, is just Apple being very cautious.

To enable the app:

1. Go to System Settings > Privacy & Security > Security
2. Press Open Anyway
3. That is it! You can now open the app again.





## 3.1 Using mSpelling

mSpelling presents any auditory stimuli you want and saves the participant's response. To use mSpelling you must specify a folder where to read the stimuli from and where to save the data collected. We call this folder a **workspace**.

## 3.2 Workspace

A workspace is just a folder that contains a folder named **stim**. mSpelling reads the stimuli to be presented from the **stim** folder. Inside the stim folder, you specify the stim in a simple text (extension *.txt*) file called **stim**

mSpelling reads the stimuli to be presented from a folder inside the **workspace** that must be named **stim** (e.g., `workspace/stim`). The stim folder must contain 2 things:

1. a text file (extension *.txt*) called **stim**, where each line contains a single word to be presented to the participant
2. the audio files (extension *.wav*) that contain the audio to present for each word. The name of these files must be the word itself (i.e., if the stimulus is the word *dog*, the audio file must be named *dog*)

<b>Warning:</b> mSpelling will not work if the word and audio stimuli are not in the folder it expects.
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You can [download a demo workspace](#) to try mSpelling out! Don't forget to extract the contents of the workspace by opening it.

## 3.3 Data

The data will be saved to a file called `mspelling_data.sqlite` inside the **workspace**. This file will contain the data for all participants.



## CHANGELOG

All notable changes to this project will be documented in this file.

The format is based on [Keep a Changelog](#), and this project adheres to [Semantic Versioning](#).

### 4.1 Unreleased

#### 4.2 [0.5.0] - 2023-07-31

- Change software architecture to MCV
- Improve code structure
- Use light theme

#### 4.3 [0.4.0] - 2023-06-25

- Complete rewrite of mspelling to Google's Flutter framework (dart language)
- Simplified process of installation and running

#### 4.4 0.3.0 - 2022-04-18

Adds new functionality to mspelling and update dependencies.

#### 4.5 0.2.2 - 2022-01-07

#### 4.6 [0.2.0] - 2021-12-19

##### 4.6.1 Added

- First release.



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