Bilingual Aphasia Test Scorer

http://ilanguage.github.com/BilingualAphasiaTestScorer/public/view/main.html

---

Table of Contents

---

1. Background

Who is this app for:

Members of the Bilingual Aphasia Test Community, who have a modern browser which supports HTML5 (Chrome, Safari, Firefox) and who are **familiar with the structure and usual administration of the eBAT (pdf)**.

What is this app:

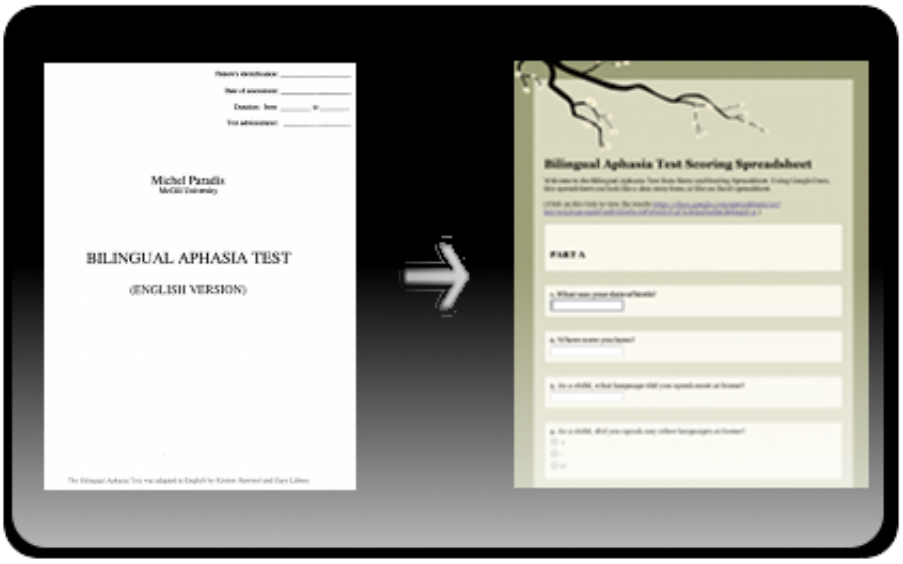
The BATScorer can be used to enter a patient's data, and calculate a patient's results. At the Academy of Aphasia annual meeting in October 2011 members of the Bilingual Aphasia Test community got together, and decided to make a web-based BAT scorer, that will run on any computer (Mac, Windows, Linux), on any mobile device (Android, iPad), anywhere there is a modern browser (Chrome, Safari, Firefox).

2. Overview

You can use this scorer to get a patient profile in 3 steps:

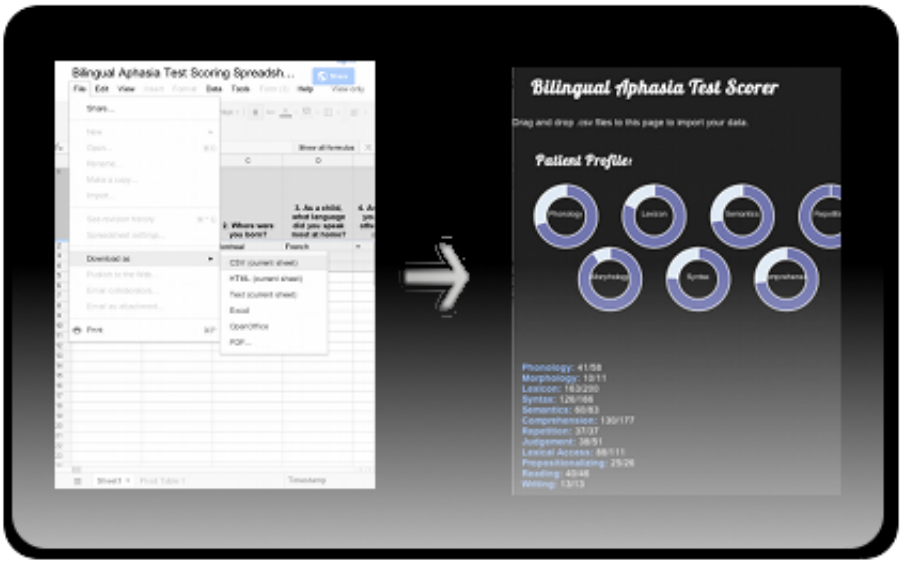
Step 1: the spreadsheets (1-2hrs)

As illustrated below, Step 1 is largely composed of converting the paper BAT results into raw data which can be analyzed by a computer. Depending on your experience with the BAT and data entry, we estimate this to take between 60-120 minutes per patient. If you do not need the patient's responses digitalized for your patient records or for your research, we do not recommend using this app, as we expect it to be faster to calculate a patient's results using paper and a calculator. If you would like to digitalize your patient's responses you may continue reading.



Step 2: import the spreadsheets (10-60 sec)

As illustrated below, Step 2 involves exporting the raw data into .csv format onto your computer, and importing the data into the app using Drag and Drop. We estimate this to take between 10-60 seconds per patient.



Step 3: get the patient's profile (1 sec)

Step 3 is to refresh the browser, which will cause the patient's results to be calculated and displayed as a donut graph per skill evaluated by the test, as well as raw scores. We estimate this to take 1 second per patient.

---

3. Step-by-step Instructions

The following sections are the step by step instructions which are copied from the pages themselves. You can switch to the pages to **get started**, or skim the details here to see if the app will suit your needs.

Step 1: The spreadsheets

Option 0: Paper BAT and Calculator

If you are used to using a paper copy of the eBAT and a calculator to score the BAT, we estimate that it will be faster for you to continue to calculate a patient's result using pen and paper. Entering the data by computer is time-consuming and largely unnecessary if you do not need the data in digital form for a patient records, or for your research.

Option 1: Excel, OpenOffice or LibreOffice

If you are used to entering data using Excel, OpenOffice or LibreOffice, you can save the BAT questions in the form of spreadsheets (in orange below) to your computer, and enter the data

on your computer.

- **Spreadsheet 1: Questions 1. - 190.**
- **Spreadsheet 2: Questions 191. - 427.**

Option 2: Online Forms

IMPORTANT: these forms below result in public Google Spreadsheets! Do not use these forms unless you want your patient's data to be open for other researchers.

If you are entering data on a tablet, and want to use touch rather than a mouse, you can use the Google Forms shown Step 2 - Option 2 if you want to share your data with other members of the Bilingual Aphasia Community. To our knowledge the BAT and the digitized forms below, request no sensitive patient information. If you don't want others to see your data, download the spreadsheets in Option 1 above and enter your data using Excel, OpenOffice or LibreOffice.

Step 2: Import the spreadsheets

(Optional: 2.0 Export)

(If you used the Online Forms in Step 1, use the links in orange below to open them, and save them as spreadsheets on your computer as a .csv file (see illustration to the right). If you used Excel, OpenOffice or LibreOffice in Step 1 you already have the spreadsheets on your computer.)

- **Spreadsheet 1: Questions 1. - 190.**
- **Spreadsheet 2: Questions 191. - 427.**

2.1 Drag and drop

- Drag and drop the first file anywhere on **this page**, it will put the text below. Click on Button 1. 1
- Drag and drop the second file anywhere on **this page**. Click on Button 1.

2.2 Combine

Click on Button 2 to combine the spreadsheets. 2

2.3 Convert

Click on Button 3 to convert the data into a patient. 3

Step 3: Get the patient's profile

Refresh the page to see the patient's profile.

The BAT scorer is free, Open Source and developed by undergraduate Speech Language Pathology students under the supervision of Gina Cook, M.A. and Alexandra Marquis, Ph.D. using the GitHub project management tool, you can **visit the project page**, if you are interested in the technical details.

For more information about the BAT visit: **http://www.mcgill.ca/linguistics/research/bat/**

Authors and Contributors

- Gina Cook - iLanguage Lab, Montréal Canada
- Émie Dessureault - École de Orthophonie et Audiologie, Université de Montréal
- Alexandra Marquis - École de Orthophonie et Audiologie, Université de Montréal
- Kim Dan Nguyen - École de Orthophonie et Audiologie, Université de Montréal