



Erin Buchanan &lt;aggieerin@gmail.com&gt;

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## IRB Notice

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**IRB** <irb\_no\_reply@cayuse.com>

Tue, Oct 8, 2013 at 9:29 AM

To: "Buchanan, Erin M" &lt;ErinBuchanan@missouristate.edu&gt;

Cc: "Valentine, Kathrene" &lt;Valentine3@live.missouristate.edu&gt;, "Vu, My Q" &lt;My03@live.missouristate.edu&gt;, "Wagner, Tara G" &lt;Tara121@live.missouristate.edu&gt;, "Schnefke, Mark P" &lt;Schnefke195@live.missouristate.edu&gt;, "Bankovich, Farren E" &lt;Farren1@live.missouristate.edu&gt;, "Saxton, Samantha D" &lt;Saxton08@live.missouristate.edu&gt;

**To:** Erin Buchanan  
Psychology  
HILL 214D 901 S National Ave Springfield MO 65897

**From:** MSU IRB

**Approval Date:** 10/08/2013

**Expiration Date of Approval:** 10/07/2014

**RE:** Notice of IRB Approval by Expedited Review (under 45 CFR 46.110)

**Submission Type:** Renewal

**Expedited Category:** 7.Surveys/interviews/focus groups

**Study #:** 13-0091

**Study Title:** QWERTY Preference Ratings

This submission has been approved by the Missouri State University IRB for the period indicated. It has been determined that the risk involved in this research is no more than minimal.

### Study Description:

Recently, Jasmin and Casasanto (2012) published an article about the influence of QWERTY standard keyboards on our perception of words. They argue that the way words are typed has caused people to prefer words that have more right handed typed letters. They tested these words in several languages, newer words coined after QWERTY's invention, and even pseudowords. However, we believe that the analysis of word preference is too simple. Beilock and Holt (2007) have shown that expert typists prefer letter combinations that are on opposite hands over single hands, ostensibly because they are easier to type. Novices show no preferences for letter combinations. This research implies that both skill level and "typability" need to be considered when discussing word preference and typing. The current protocol seeks to replicate the Jasmin and Casasanto study while examining typing speed and the physical characteristics of typed words (i.e. are the letters right-left-right-left better than right-right-left-right?).

### Submission Description:

This renewal also adds six new student investigators.

### Investigator's Responsibilities:

Federal regulations require that all research be reviewed at least annually. It is the Principal Investigator's

responsibility to submit for renewal and obtain approval before the expiration date. You may not continue any research activity beyond the expiration date without IRB approval. Failure to receive approval for continuation before the expiration date will result in automatic termination of the approval for this study on the expiration date.

You are required to obtain IRB approval for any changes to any aspect of this study before they can be implemented (use the procedures found at <http://orc.missouristate.edu>). Should any adverse event or unanticipated problem involving risks to subjects or others occur it must be reported immediately to the IRB following the adverse event procedures at the same website.

This study was reviewed in accordance with federal regulations governing human subjects research, including those found at 45 CFR 46 (Common Rule), 45 CFR 164 (HIPAA), 21 CFR 50 & 56 (FDA), and 40CFR 26 (EPA), where applicable.

CC:  
Kathrene Valentine  
My Vu  
Tara Wagner  
Phil Schnefke  
Farren Bankovich  
Sam Saxton