

Guided review: Quasi-Qwerty Soft Keyboard Optimization (Bi et al., CHI 2010)

High-level understanding: Summarizing your understanding about the contribution and benefits of the paper. The final summary is usually put into 3–4 sentences in the actual review.

A. Problem

Between the two keyboard layouts (_____ and _____), there is a trade-off between _____ and _____.

B. Method

This paper proposed _____ that _____.

This paper argue that _____.

To support this argument, regarding the motor performance, the authors derived theoretical movement efficiency of five keyboard layouts.

A(n) _____ comparing _____ and _____ in three conditions: _____, _____, and _____.

C. Results

Both theoretical motor performance and initial visual search time from the experiment reveals that _____ provide a balance between _____ and _____.

D. Implications

The results of this paper can lead to a future keyboard layout design that strikes a balance between the motor performance and visual search time.

Writing a review for Evaluation sections: This part of the review focuses on the validity, generalizability, and replicability of the methods used in the evaluation.

B1. Research method:

B2. Variables: *What are they? Operational definition?*

Were the definitions described unambiguously? If no, what are other interpretations?

How much does the definitions serves the purpose to answer the research question?

B3. Procedure: *Was the procedure described in detail such that you can replicate this experiment? What are still ambiguous?*

B4. Validity: *How much does the study achieved internal and external validity? What are potential threats to the validity?*