



# PROTOCOL



This systematic review aims to present a survey about the state of the art concerning the use of personality traits for the intervention (adaptation, customization, or personalization) in computer systems.



**Population:** studies that discuss the relationship between personality and personalization/customization/adaptation in computer systems.

**Context:** the results of this systematic review will provide researchers an overview of the state of the art of studies that involves personality and interventions in computer systems.

**Expected Results:** comprehensive and in-depth view of software adaptation based on users' personality.

**Applications:** computational applications with adaptation based on users' personality.

**Keywords:** software, game, system, personality, personality traits, adaptation, recommendation, personalization, customization, adjustment, design, human-centered computing, personality-based personalization, personality-based personalized systems.

**Method of search:** based on the keywords, search strings will be constructed and submitted in the main databases. The articles found will be listed, their titles and summaries will be read to verify compliance with the inclusion and exclusion criteria. If it meets the requirements of the protocol, it will be selected.

**Source selection criteria:** the sources should be available via the web, preferably in scientific databases of the area. Searches will take place in the following databases: IEEE Xplore, ACM Digital Library, and Scopus.



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## Selection criteria:

- Inclusion Criterion 1: The paper presents techniques for software intervention considering the personality traits of the user.
- Inclusion Criterion 2: The paper was published in journals or conference proceedings.
- Exclusion Criterion 1: Although the paper has a title in English, the content is written or presented in another language.
- Exclusion Criterion 2: The paper addresses or recognizes personality traits, but does not intervene in software considering such information.

## Quality criteria:

- The objectives and justifications of the study are clearly defined in the summary;
- The article cited the approach used to collect user data;
- The article cited the technique used to relate personality traits to intervention.

