Pontificia Universidad Católica de Chile

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My experience as co-editor of Computers & Education

General

1. Defined problem:
   a) within the scope of the Journal
   b) too specialized

2. Bibliograpahy updated 15 (at least) refereed papers last 3 years

3. Match with papers in Internet

4. English
   a) Proofread by English native professional
   b) Define acronyms before using these (none in Abstract)

5. APA guidelines on:
   a) Reporting statistics
   b) Bibliography

6. Resubmission
   a) accompanying letter analyzing how you addressed each of the referees points.

Abstract

What is the problem?

What have you done?

What are your results?

What have you learned?

(250 words)

General Structure

1. Define the problem, aim and research questions based on current significant literature
2. Detailed methodology.
3. Results provide data to answer the research questions.
4. Conclusion and Discussion
   1. Based on results
   2. Discussed considering pertinent literature
5. https://owl.english.purdue.edu/owl/resource/560/01/

Introduction

1. ## Literature Review:
   1. Relevant to the problem
   2. Updated
   3. Comprehensive
   4. Of the literature review a cohesive history has to be written (not just a list of paragraphs from references).

2. ## Build Reserach Questions from literature review
   1. RQ should be of global interest and not focused to a particular local problem
   2. Identifying a research gap is not enough; key is showing its significance to the field.

3. ## Why is your research relevant?
   1. What did we learn compared with current, significant research

Methodology

(i) Research Design: funded in literature:
   a) quanti, quali, mixed
   b) Design Based Research

(ii) Educational Context
   a) Representative of what?
   b) Sample has to be far-reaching to be representative to reach conclusions
   c) Quantitative results from a small number of students can be inconclusive.

(iii) System used:
   a) Purpose and design goals,
   b) description (not a manual),
   c) usability.

(iv) Instruments:
   a) Analyze and fundament,
   b) Show validity and statistical reliability
   c) Data has to match objectives (Dependent and independent variables)

(v) Procedure:
   a) Index of results
   b) Treatment and control group have to be comparable
   c) Protocol for interviews and observations
   d) Strong Statistical methods
      http://authors.elsevier.com/sd/article/S0360131515001463
   e) Qualiatative analysis
      http://www.sciencedirect.com/science/article/pii/S0360131516302445
   f) How general are your results?

Results

Follow your procedure described in the methodology.

Results provide answers to your questions.

Discusion

Analyze results considering pertinent literature.

Make explicit suggestions about how the study affects the design or use of educational computer systems.

Is there something new about a particular theory, or is there evidence of theory advancement?

Conclusion

Answer your research questions based on the results.

What is the added value of your work?

Conclusions general enough to be interesting for a wider audience.

Limitations

Future work

Review papers

Research gaps it fills (why do we need your review (one more)?)

Systematic and rigorous, based on a state of the art study (significant papers up to 2019)

Clear meta-analysis and synthesis (no narrative review)

Show added value with references.

Theoretically and critically analyzed.

Justify bibliographically

        paper selection

        descriptors

Summarize findings

http://prisma-statement.org