

CONTRIBUTION TO TRADITIONAL ASSESSMENT BY APPLYING TEL PARADIGMS AND THE USE OF CLOUD APPLICATIONS

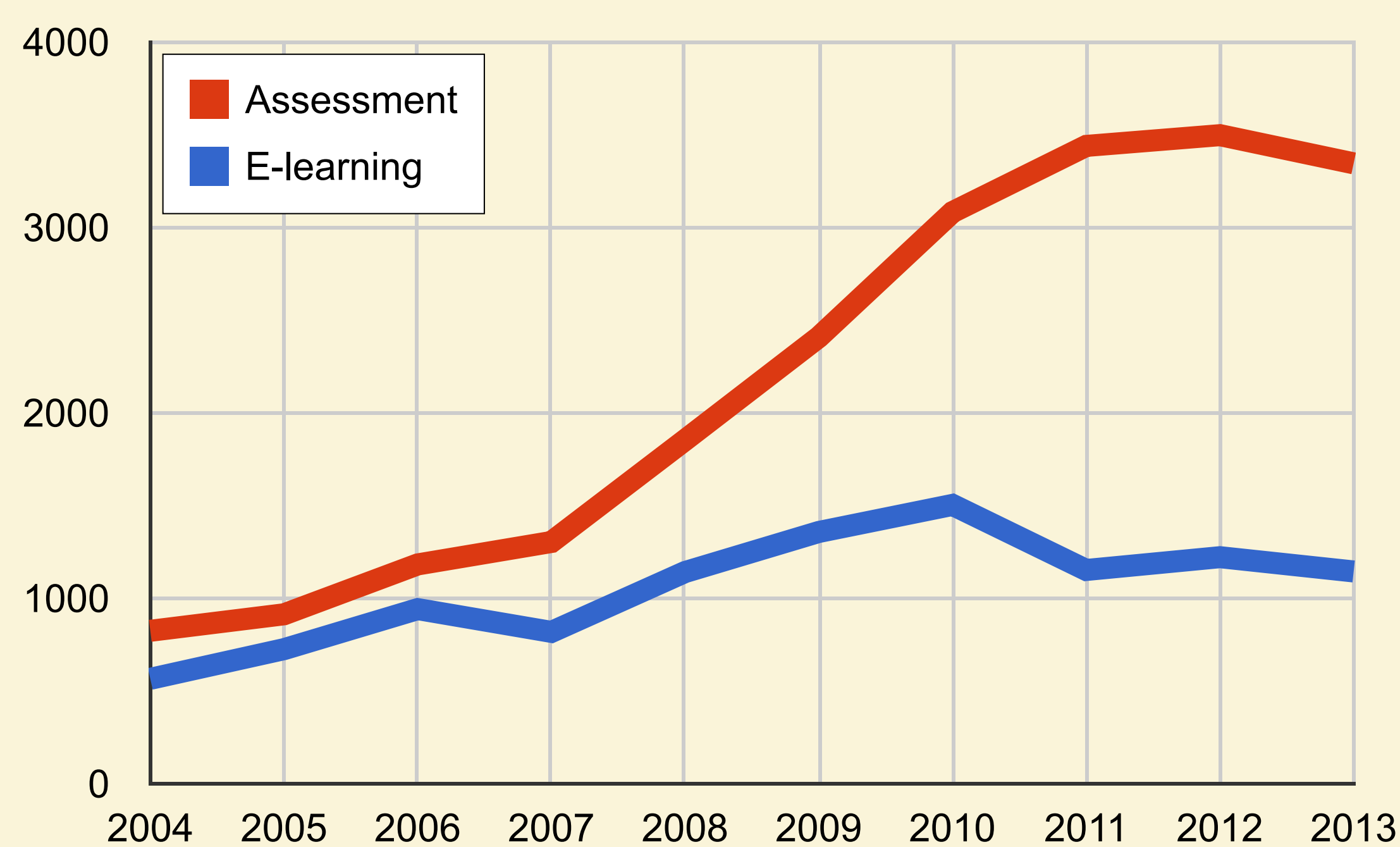
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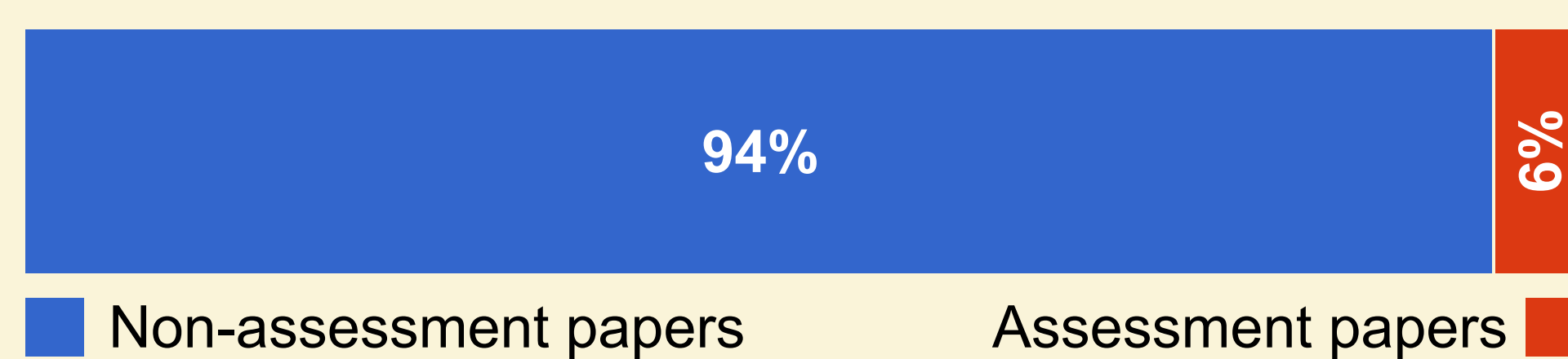
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Motivation

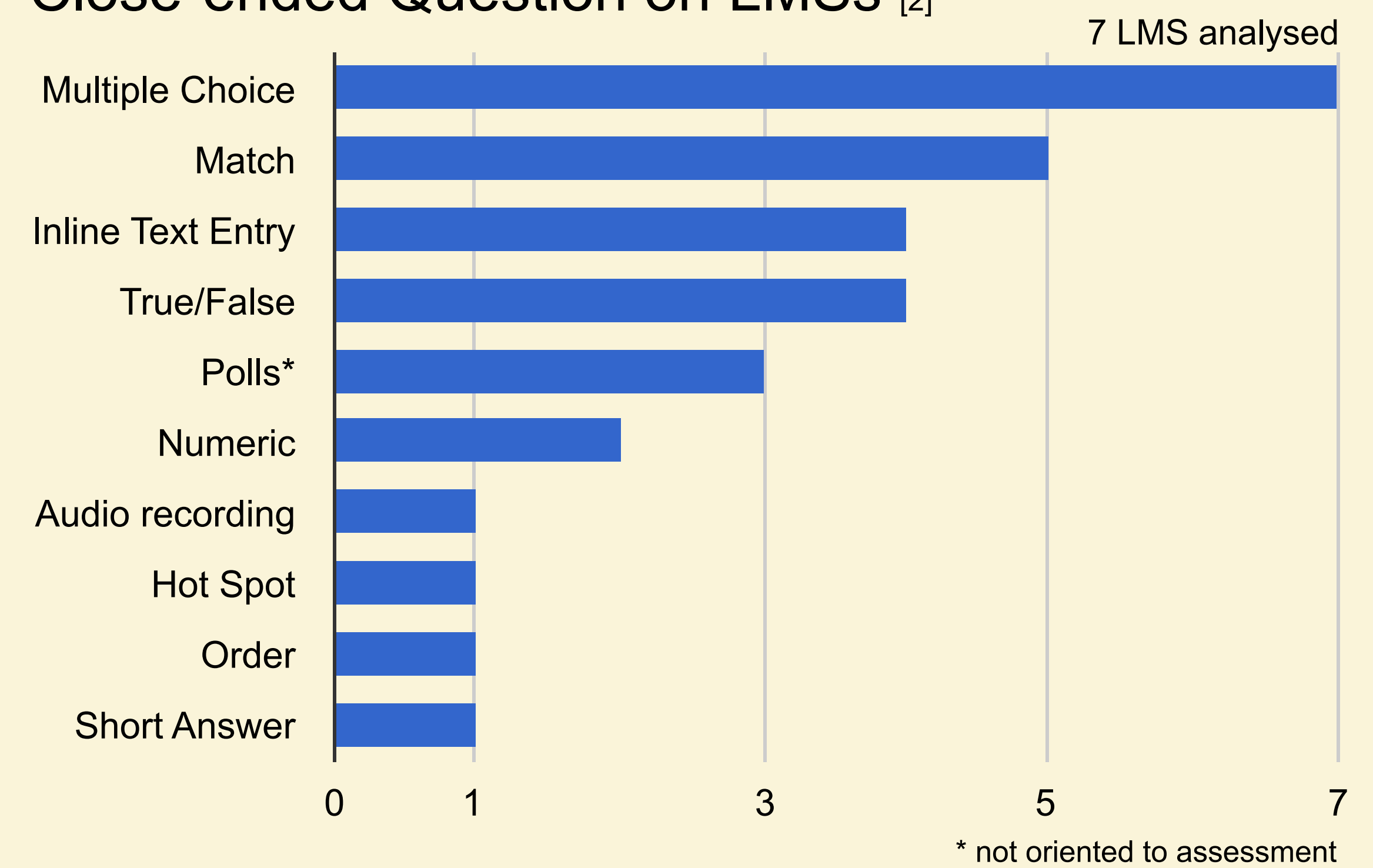
• IEEE Articles Trends [1]



• E-learning papers [1]



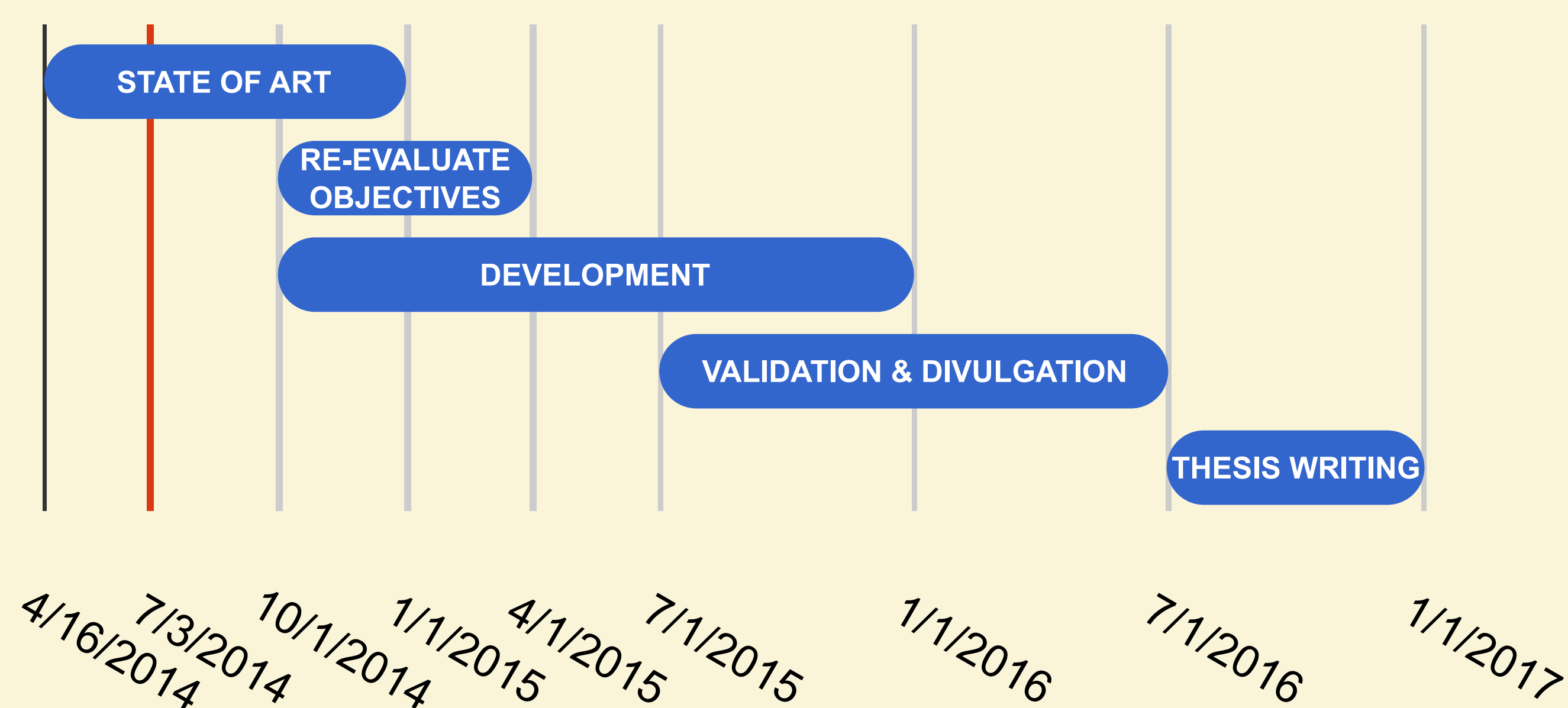
• Close-ended Question on LMSs [2]



• Open-ended Questions/Tasks on LMSs [2]

- Individual assessment: particular marks and comments.
- No reuse of evaluation criteria.
- Teachers must assess every question/task from the scratch.
- Heavy workload.

Research Plan



Thesis Objectives

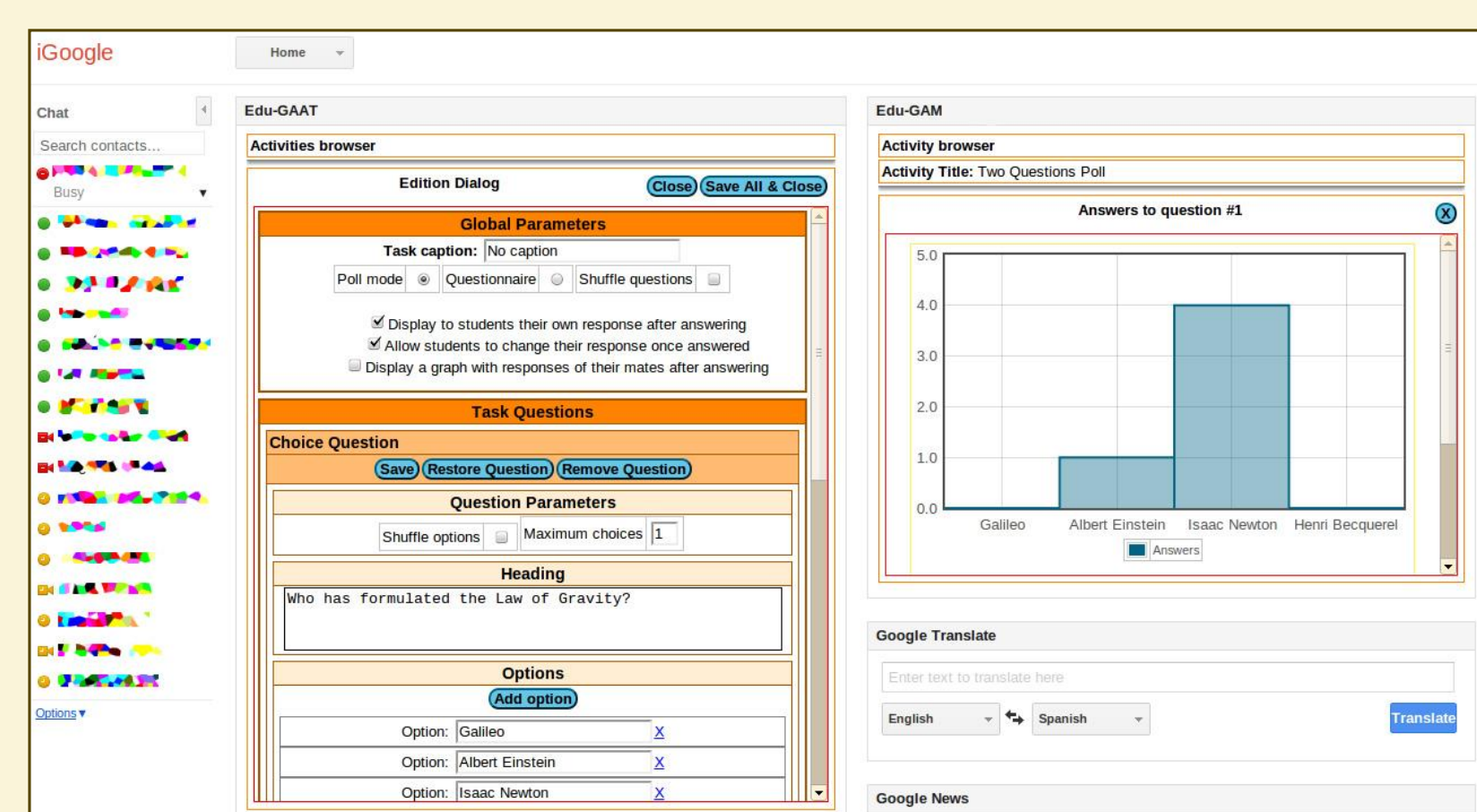
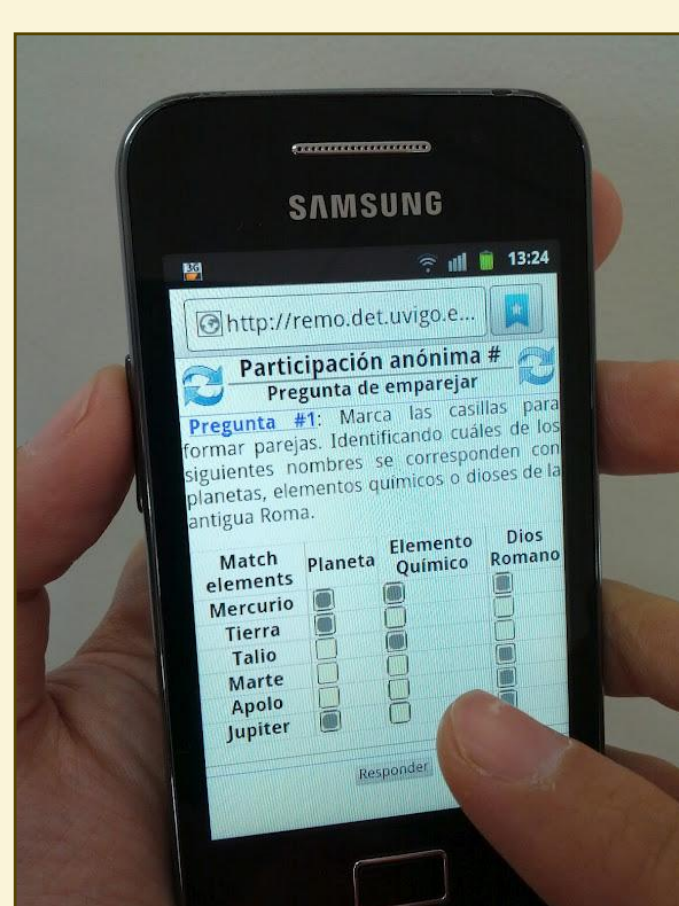
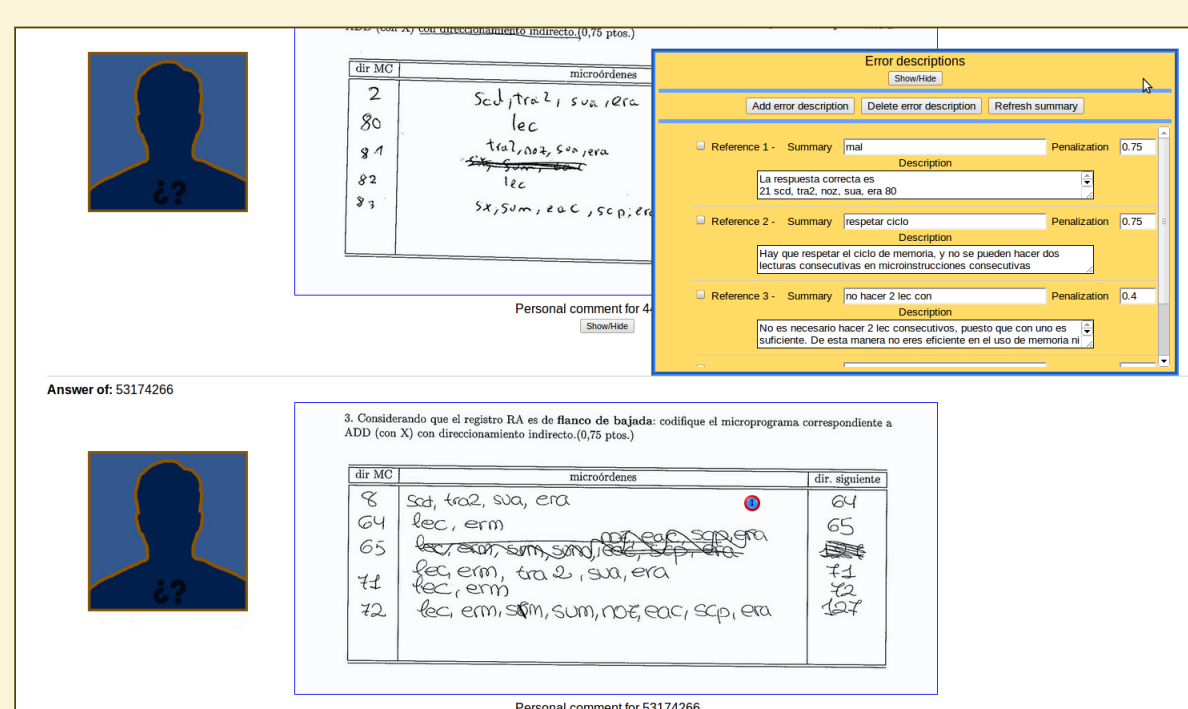
- Integrate both on-line and off-line assessment, including paper questions and examinations
- Include learning/assessment analytics on learning frameworks.
- Identify how different types of assessment affects students' learning accomplishments and failures

Next Year Plan

- Change Doctoral Work from Full Time to Partial Time
- Review and Adapt the Research Plan to the new period
- End the research of the State of Art
- Define specific objectives for my PhD
- Start the development of the research

Previous Works

- Web Development
- Distributed System
- Responsive Web Design
- E-learning Platform Design
- Assessment Tool Design
- Image Processing (oriented to handwritten exams)
- References: [3,4,5]



References

- [1] "IEEExplore Digital Library". On-line resource. Available at: <http://ieeexplore.ieee.org/>. Last Access: 2014/06/16
- [2] Bouhachmir González, Y.; Llamas-Nistal, M. "Análisis de Funcionalidades de Evaluación en Plataformas E-learning". Tecnologías, Aprendizaje y Enseñanza de la Electrónica, XI IEEE Conference on (TAEE), Bilbao (España), 2014. , 11-13 june.
- [3] Llamas-Nistal, M.; Fernández-Iglesias, M.J.; González-Tato, J.; Mikic-Fonte, F.A. "Blended e-assessment: Migrating classical exams to the digital world". Computers & Education 2013, 62, pp. 72-87.
- [4] González-Tato, J.; Llamas-Nistal, M.; Caeiro-Rodríguez, M. "Web-based Audience Response System using BeA". Journal of Research and Practice in Information Technologies, publication pending. Scheduled to Volume 46, Issue 1.
- [5] González-Tato, J.; Llamas-Nistal, M.; Caeiro-Rodríguez, M.; Álvarez-Osuna, J. "Towards a Collection of Gadgets for an iGoogle e-learning platform". IEEE Global Engineering Conference (EDUCON), 2012, pp. 1-9