Introduction

Comunicar (Huelva) Píxel-Bit (Sevilla) Edutec (Mallorca) RUSC/IJETHE (Barcelona)

Consulting the reference list
Citing an article
Publishing results
Reading scientific articles

Hypotheses

- H1: English and Spanish ET research communities are two separate communities and little communication exists between them.
- H2: Spanish-speaking ET authors cite articles in English, but English ET authors do not reciprocate citations.

Methodology

2.1 Social Network Analysis (SNA)

SNA to unveil the patterns of communication between these two research communities through their publications in academic journals in the ET field.

Software applications: UCINET 6 and Gephi 0.9.1

2.2 Sample

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IJCSCL AJET IEEE ETS

3,407 articles between 2007 and 2016

Results

3.1 Network modularity

Observation of the relationships between English and Spanish journals.

They mainly exchange information within their respective research communities.

0.45 citations per article

The authors who publish in Spanish journals refer to articles published in English journals.

0.005 citations per article

The authors who publish in English journals don’t refer to articles published in Spanish journals.

Discussion and conclusions

H1

The communication between these two research communities is sporadic. Only two of the Spanish journals (Pixel-Bit and Edutec) cite the English journal ETS at an outstanding level, but English journals do not contain numerous links to Spanish ones.

Reason: Lack of knowledge of languages

- Differences between disciplines

H2

Spanish authors cite articles from English journals, but their citations are not reciprocated.

The Spanish community seems closer and more internally connected than the English one.

- The Spanish research community is smaller and gathers regularly.
- They share their work in academic and non-academic social networks.

Limitations

- Small journal sample.

Suggestions

- Improving the visibility of all journals.

- Consulting comprehensive databases ScIELD, RedALyc and using bibliographic databases such as Google Scholar.

- Incorporating titles, abstracts, and keywords in English into the articles, along with translations of papers.

- Considering alternative metrics based on taking advantage of the sharing and commenting opportunities offered by Web 2.0.

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