AN EVIDENCE OF EXPERIENTIAL LEARNING IN THE CLASSROOM THROUGH GEOGRAPHICAL INFORMATION SYSTEMS

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SECTIONS

1. Introduction
2. Conceptual framework
3. Methodology
4. Results and discussion
5. Conclusions, implications and further research

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Introduction…

Pedagogy and Higher Education institutions …

Transformation of teaching at institutions…

… in search of strategies for effective changes…

… from teaching to learning

Cerdá and Hernandez (2014), Datu et al. (2017), Carter et al. (2016)

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The way that professors teach their subjects in the classroom comes from their academic practice...

There are many theoretical and empirical studies focused on analyzing:

- ... teaching style of the professor in the classroom...
- ... learning styles of the students

Cerdá and Hernandez (2014)
In Chile, educational institutions are agents of technological, economic and social innovation...

Traditional didactic strategies (that is, lectures, dissertations...) are criticized...

... professors and teachers who disseminate intellectual stimulation, idealized influence, individualized consideration and inspirational motivation can influence behaviors...

Students are diverse in skills, behaviors and experiences...
In this research, the specific objectives are the following:

1) to make a diagnosis of the particular pedagogical actions within the scope of the research

2) to describe a set of experiential techniques providing positive outcomes in the learning process

3) to evaluate the main variables for success
There are interesting contributions...

Experiential learning ...

... there is an intense relationship between GIS and innovation ...

... learning in the classroom

He et al. (2018), Hosu (2015)
Implementing the principles of Positive Psychology…

Literature review:

The importance of studying leadership in the classroom…

…effects of…

… the leadership style of the professor in the classroom
2 ... conceptual framework...

Happiness is too worn and too weary a term to be of much scientific use

Teaching and learning in the classroom

Positive Psychology divides it into three very different realms...

Hedonic: positive Emotion, the ‘Engaged Life’...

... the Meaningful Life.

Seligman et al. (2009), Tshewang et al. (2016)
Positive evaluations of learning are linked to happiness.

Numerous studies have addressed satisfaction with life in certain domains, including learning and teaching.

This research contributes to the configuration of the spaces of knowledge at educational institutions.
Methodology...

Males and females

The number of students in this research was 120

by collecting “geographically dispersed data”

Online questionnaire

Between February and May, 2016

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### 3. Methodology

**Table 1. Methodological process of the research**

<table>
<thead>
<tr>
<th>PHASE</th>
<th>ANALYSIS</th>
<th>METHODOLOGY</th>
<th>TECHNIQUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design and implementation of the web mapping using GIS</td>
<td>Documentary</td>
<td>Literature review</td>
<td>Bibliographic analysis</td>
</tr>
<tr>
<td></td>
<td>Construction of database</td>
<td></td>
<td>Construction of database and analysis</td>
</tr>
<tr>
<td></td>
<td>Design of the web mapping</td>
<td>Geographic representation of database</td>
<td>Design of the web mapping</td>
</tr>
</tbody>
</table>
Results and discussion...

Table 2. Total sample (data in percentage, Means and Standard Deviations)

<table>
<thead>
<tr>
<th>SAMPLE</th>
<th>MBA (Graduate program)</th>
<th>Business Administration (Undergraduate program)</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AGE OF THE RESPONDENT:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Mean</td>
<td>40.4</td>
<td>42.4</td>
<td>41.3</td>
</tr>
<tr>
<td>• Standard. Deviation</td>
<td>3.94</td>
<td>4.24</td>
<td>4.06</td>
</tr>
<tr>
<td><strong>GENDER OF THE RESPONDENT:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Female</td>
<td>75 %</td>
<td>47.4 %</td>
<td>60.2 %</td>
</tr>
<tr>
<td>• Male</td>
<td>25 %</td>
<td>52.6 %</td>
<td>39.8 %</td>
</tr>
<tr>
<td><strong>WORK AT THIS MOMENT</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Yes</td>
<td>72 %</td>
<td>90.1 %</td>
<td>84 %</td>
</tr>
<tr>
<td>• No</td>
<td>28 %</td>
<td>9.9 %</td>
<td>19 %</td>
</tr>
<tr>
<td><strong>TOTAL STUDENTS</strong></td>
<td>62</td>
<td>58</td>
<td>120</td>
</tr>
</tbody>
</table>
... results and discussion.

Figure 1. Main server of the web mapping: http://podessig.org
Conclusions, implications and further research...

This research showed that happiness in the classroom is linked to teaching and learning styles.

A wide spatial representation of cross-sectional nature of teaching and learning styles and happiness...

... an inclination towards more human-based approaches based on collaborative knowledge.
... conclusions, implications and further research.

Research future:

There are few studies that point out similar relationships between constructs...

Unequal presence of experiential learning...

To design some actions and tools oriented to interaction in the classroom between student and professor.
AN EVIDENCE OF EXPERIENTIAL LEARNING IN THE CLASSROOM THROUGH GEOGRAPHICAL INFORMATION SYSTEMS based on collaborative knowledge

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