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Elzawi, A. and Wade, Steve

Barriers to ICT adoption in quality of engineering research in Libya: how to bridge the digital divide

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Barriers staff from using the internet

- Lack of internet access
- Low speed of connection
- Lack of Educational Institutions
- Field of study
- Clarity and ease of use
- Social factors
- Lack of training
- Lack of access of online
- Lack of skill in English
- Unfiltered information
- Technical difficulties
- Social factors
- High cost

The growth of internet usage in Libya and the adjacent countries 2011

<table>
<thead>
<tr>
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<th></th>
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<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Libya</td>
<td>6,324,357</td>
<td>50,000</td>
<td>353,900</td>
<td>5.4 %</td>
<td>3.44 %</td>
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<tr>
<td>Tunisia</td>
<td>10,629,18</td>
<td>100,000</td>
<td>3,600,000</td>
<td>33.9 %</td>
<td>3.50 %</td>
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<tr>
<td>Algeria</td>
<td>34,994,93</td>
<td>50,000</td>
<td>4,700,000</td>
<td>13.4 %</td>
<td>9.30 %</td>
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<tr>
<td>Egypt</td>
<td>82,079,6</td>
<td>450,000</td>
<td>20,136,000</td>
<td>24.5 %</td>
<td>4.37 %</td>
</tr>
</tbody>
</table>

Developing the questionnaire

Validity

Triangulation

Reliability

Answers’ analysis