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Fall Plans for Statistics

Josh Errickson & James Henderson

University of Michigan, Department of Statistics

Aug 19, 2011
Name That Scenario Summer Feedback

4. On a scale of 1 to 5, 1 being definitely disagree and 5 being definitely agree, how strongly do you agree with each of the statements below?

<table>
<thead>
<tr>
<th>Statement</th>
<th>Strongly Disagree</th>
<th>Disagree (2)</th>
<th>Neutral (3)</th>
<th>Agree (4)</th>
<th>Strongly Agree (5)</th>
<th>Rating Average</th>
<th>Response Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name that Scenario was easy to use.</td>
<td>0.0% (0)</td>
<td>2.7% (1)</td>
<td>0.0% (0)</td>
<td>40.5% (15)</td>
<td>56.8% (21)</td>
<td>4.51</td>
<td>37</td>
</tr>
<tr>
<td>Name that Scenario helped me to learn.</td>
<td>0.0% (0)</td>
<td>5.4% (2)</td>
<td>16.2% (6)</td>
<td>40.5% (15)</td>
<td>37.8% (14)</td>
<td>4.11</td>
<td>37</td>
</tr>
<tr>
<td>Name that Scenario is a fun way to learn.</td>
<td>0.0% (0)</td>
<td>8.1% (3)</td>
<td>18.9% (7)</td>
<td>43.2% (16)</td>
<td>29.7% (11)</td>
<td>3.95</td>
<td>37</td>
</tr>
<tr>
<td>The questions in Name that Scenario were high quality.</td>
<td>0.0% (0)</td>
<td>5.4% (2)</td>
<td>16.2% (6)</td>
<td>45.9% (17)</td>
<td>32.4% (12)</td>
<td>4.05</td>
<td>37</td>
</tr>
<tr>
<td>The questions in Name that Scenario were too easy.</td>
<td>2.7% (1)</td>
<td>54.1% (20)</td>
<td>32.4% (12)</td>
<td>2.7% (1)</td>
<td>8.1% (3)</td>
<td>2.59</td>
<td>37</td>
</tr>
<tr>
<td>The questions in Name that Scenario were too difficult.</td>
<td>2.8% (1)</td>
<td>50.0% (18)</td>
<td>30.6% (11)</td>
<td>11.1% (4)</td>
<td>5.6% (2)</td>
<td>2.67</td>
<td>36</td>
</tr>
</tbody>
</table>

answered question: 37
skipped question: 1
### 5. How confident would you say you were in identifying the correct procedure to use for a given scenario at each of the following times?

<table>
<thead>
<tr>
<th>Rating</th>
<th>Not at all Confident</th>
<th>Somewhat not Confident</th>
<th>Somewhat Confident</th>
<th>Very Confident</th>
<th>Rating Average</th>
<th>Response Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Before using Name That Scenario</td>
<td>10.8% (4)</td>
<td>40.5% (15)</td>
<td>43.2% (16)</td>
<td>5.4% (2)</td>
<td>2.43</td>
<td>37</td>
</tr>
<tr>
<td>After using Name That Scenario</td>
<td>5.6% (2)</td>
<td>2.8% (1)</td>
<td>58.3% (21)</td>
<td>33.3% (12)</td>
<td>3.19</td>
<td>36</td>
</tr>
</tbody>
</table>

**Answered question:** 37  
**Skipped question:** 1

### 6. Do you plan to use Name that Scenario again to help study for Stats 250?

<table>
<thead>
<tr>
<th>Response</th>
<th>Response Percent</th>
<th>Response Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>0.0%</td>
<td>0</td>
</tr>
<tr>
<td>Probably not</td>
<td>5.4%</td>
<td>2</td>
</tr>
<tr>
<td>Maybe</td>
<td>16.2%</td>
<td>6</td>
</tr>
<tr>
<td>Probably</td>
<td>18.9%</td>
<td>7</td>
</tr>
<tr>
<td>Yes</td>
<td>59.5%</td>
<td>22</td>
</tr>
</tbody>
</table>

**Answered question:** 37  
**Skipped question:** 1
“Very convenient program. There were 2 examples in the in-class review, but I was looking for more Name That Scenarios. I was lucky to have this program and I will definitely use it.”

“Great way to help me study!”

“Good resource for study. I would like more applets like this that would come in handy during exam study. Keep up the good work!”

“Solid program: I wish we would have had this a bit sooner in the semester.”

“Great tool! Exactly what I needed to help me prepare.”

“This was very helpful. I liked that it gave an explanation of why it was right or wrong. It would be helpful to make it longer and include more questions to practice. Thanks!”
More questions! 100 right now, hope to at least double that by involving all GSI’s for the class before NTS is introduced.

Paired Design assessment - quiz before and after using NTS.

Cross-term comparison - performance on similar questions from previous semesters to this semester.

Add scoring for a student’s own assessment.
Additional LO Goals

- Create a list of LO’s that aren’t introduced in class, but are linked to our “enhanced practice exam solutions”.
  - Two versions: 1) Answer to get full credit on exam, 2) Full explanation
  - Both online only (through CTools) and questions will be linked to a LO that a student can use to further explore a topic.
    - Not necessarily interactive LO’s, but a place to read another way of looking at a topic.
- Complete integration of R LO as pre-lab... and maybe look into Wolfram CDF files?