Evaluation Results

iUnit Retrieval Results

- **SUM-udel-E-MAND-1**: Organizers’ Baseline. This method outputs gold standard iUnits in descending order of iUnit scores.
- **SUM-udel-E-MAND-2**: This is a normalizer of the organizer-provided iUnits. The last runs which re-ranked the organizer-provided iUnits. The last runs which re-ranked the organizer-provided iUnits.
- **SUM-udel-E-MAND-3**: This is on par with the other systems and the baselines. Otherwise the system output.
- **SUM-udel-E-MAND-4**: Simple re-ranking approach based on the cosine similarity between each iUnit and a fixed ‘model’ pseudo-document. These iUnits are constructed by concatenation of top-10 docs for the query.

iUnit Summarization Results

- **Trailtext1**
- **Trailtext2**
- **Trailtext3**

**Task:**

Return a concise summary, satisfy information need of mobile users

**Subtasks**

- Query
- iUnit Retrieval Subtask
- iUnits
- iUnit Summarization Subtask
- Two-layered Summary

Evaluation of iUnit Retrieval

- **M-measure** = the expected utility of users who probabilistically click on links
- **Expected utility** = **U-measure**

**Evaluation Results**

<table>
<thead>
<tr>
<th>System Output</th>
<th>Trai1text1</th>
<th>Trai1text2</th>
<th>Trai1text3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>P(t1) = P(t2)</strong></td>
<td>0.1</td>
<td>0.4</td>
<td>0.1</td>
</tr>
<tr>
<td><strong>P(t2) = 1.5</strong></td>
<td>0.9</td>
<td>0.3</td>
<td>2.3</td>
</tr>
<tr>
<td><strong>P(t3) = 2.0</strong></td>
<td>0.6</td>
<td>0.2</td>
<td>0.6</td>
</tr>
<tr>
<td><strong>P(t4) = 2.0</strong></td>
<td>0.3</td>
<td>0.1</td>
<td>0.3</td>
</tr>
<tr>
<td><strong>P(t5) = 2.0</strong></td>
<td>0.1</td>
<td>0.0</td>
<td>0.1</td>
</tr>
</tbody>
</table>

**Task Flowchart:**

- **Gold Standard iUnit (GiUnit) Extraction**
- **iUnit Matching Interface**
- **Evaluation of iUnit Summarization**

- **M-measure** = the expected utility of users who probabilistically click on links
- **Expected utility** = **U-measure**

**Evaluation Results**

- **iUnit Retrieval Results**
- **iUnit Summarization Results**

**Team name**

- **KPNM**
- **IISR**
- **udel**
- **NTOUA**

**Organization/Method**

- Human University of Science and Technology, China
- National Central University, Taiwan
- University of Delaware, USA
- National Taiwan Ocean University, Taiwan

**References**

- Improving iUnit Retrieval with Query Classification and
- MobileClick System at NTCIR-11. In
- Proceedings of the 22nd Text Retrieval Conference (TREC)
- Vol. 15-20; soumu@shonan-atsugi.jp. Visiting hours: general ward
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