Updated Summaries for Evolving News Stories

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1 The University of Texas at Austin (Work done as intern at Bloomberg)
2 Bloomberg (Now at Google Research)
3 Johns Hopkins University, Bloomberg

A 22-year-old man has been charged after an ice cream van was stolen in Nottingham. The vehicle was reported stolen from Bobbers Mill Road and was spotted by officers on the A52 at about 01:20 BST on Thursday. Gavin Fouracres, of Briar Court, Long Eaton, has been charged with theft of a motor vehicle. Mr Fouracres is due to appear at Nottingham Magistrates’ Court later. He has also been charged with driving without due care and attention, driving without insurance, driving otherwise than in accordance with a licence, and failing to stop for police.

The White House is asking Congress for nearly $12 billion more than the $14 billion as a down payment on Hurricane Harvey recovery efforts, sending Republican leaders a request late Friday for $5.3 billion in immediate aid...

Updated headline generation as dynamic text summarization:
- Capitalize on what is already known
- Highlight important changes

Man charged with theft of ice cream van in Nottingham

Man admits theft of ice cream van in Nottingham

Table: Human Evaluation (3 annotators)

<table>
<thead>
<tr>
<th>New Body</th>
<th>Headline Revision for Evolving News (HREN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Train</td>
<td>Valid</td>
</tr>
<tr>
<td>57,285</td>
<td>5,769</td>
</tr>
</tbody>
</table>

Curated dataset for updated headline generation

Analysis

The White House is asking Congress for nearly $12 billion more than the $14 billion as a down payment on Hurricane Harvey recovery efforts, sending Republican leaders a request late Friday for $5.3 billion in immediate aid...

Malformed headline generation as static text summarization

New Body: Man charged with theft of ice cream van in Nottingham

Old Headline: Man admits theft of ice cream van in Nottingham

New Body + Old Body

New Body + Edits in Body

Case Study

Man charged with theft of ice cream van in Nottingham

New Body: Gavin Fouracres admits stealing ice cream van in Nottingham

Old Headline: Man remanded over theft of ice cream van in Nottingham

Old Headline + Edits in Body: Man admits theft of ice cream van in Nottingham

Reference: man admits theft of ice cream van in Nottingham

Analyzing BART Attention
- Attending to Old Headline when retaining content
- Attending to Edits in Body when generating new content

Old Headline: White house to ask for $12 billion down payment for harvey relief

New Body: White house to ask for $14.8 billion down payment for harvey relief

AGLEU for Varying Jaccard Similarity

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