A Supplemental Material

The appendix provides examples from the test set, with side-by-side comparisons of the reference summaries and the summaries produced by the Seq2seq-Baseline model, the Coverage model and our model. In each example:

- **Blue** denotes information repetitions.
- **Red** denotes the non-grammatical or non-coherent sentences.
- **Yellow** denotes non-salient information that should not be included in the summary.
- **Green** denotes the salient information lost by Seq2seq-Baseline model or Coverage model, but is included in our model.

**Gold Reference:**

- Huw Davies, 34, has been searching for permanent employment for almost 13 years.
- He has a geography degree, three a-levels and 10 gcse's on his cv. He has also spent time teaching in South Africa, Kuwait and Saudi Arabia.
- His cv has not been selected for a single interview during that time.

**Seq2Seq-Baseline:**

- Huw Davies has been searching for permanent employment for almost 13 years. He has a geography degree, three a-levels and 10 gcse's on his cv. He has also spent time teaching in South Africa, Kuwait and Saudi Arabia.

**Coverage:**

- Huw Davies, 34, has been searching for permanent employment for almost 13 years. He has a geography degree, three a-levels and 10 gcse's on his cv.

**Our Method:**

- Huw Davies, 34, has been searching for permanent employment for almost 13 years. He has a geography degree, three a-levels and 10 gcse's on his cv.

**Table 1:** The summary generated by the Seq2Seq-baseline model contains non-grammatical sentence. The Coverage model reports some secondary information, such as “geert pitkanen, 69, was purchased for $100 in a motel room in 1946”. Our method reports more salient information, such as information about “geert pitkanen sell newborn babies to adoptive parents for cash in Butte, Montana”, “form a group called geste’s babies” and “using dna to trace their lost relatives, the summary generated by our model is more informative, concise and coherent.”

**Gold Reference:**

- Ronda Blaylock was just 14-years-old in 1980 when she was found stabbed to death and brutally assaulted.
- She told the girls he had taken them for a ride home from a stranger after finishing the day at Atkins High School in rural Hall County.
- It was used as a model for Mayberry in the Andy Griffith Show.

**Seq2Seq-Baseline:**

- Ronda Blaylock was just 14-years-old in 1980 when she was found stabbed to death.
- She told the girls he had taken them for a ride home from a stranger after finishing the day at Atkins High School in rural Hall County.
- It was used as a model for Mayberry in the Andy Griffith Show.

**Coverage:**

- Ronda Blaylock was just 14-years-old in 1980 when she was found stabbed to death. She told the girls he had taken them for a ride home from a stranger after finishing the day at Atkins High School in rural Hall County.

**Our Method:**

- Ronda Blaylock was just 14-years-old in 1980 when she was found stabbed to death. She told the girls he had taken them for a ride home from a stranger after finishing the day at Atkins High School in rural Hall County.

**Table 2:** The Seq2Seq-baseline model suffers from serious information repetitions. The Coverage model reduces repetitions, but generates non-grammatical sentences. The summary generated by our method includes the salient information about “how davies has been unable to secure a job”, and is also more coherent and fluent.
Table 5: The Seq2Seq-baseline model reports several non-salient information about “james ramirez” and loses the main content about “miss nelson”. The Coverage model also reports some non-salient information about “james ramirez”. Our Method successfully detects the salient information about “miss nelson gave birth while suffering bleeding” and “southwark coroner’s court”.

Table 6: Both the summary generated by the Seq2Seq-baseline model and the Coverage model loses the main information about “laura alicia caldero was arrested by armed police when she refused to pay a fine”. Obviously, the summary generated by our method contains more salient information.

Table 7: The summary generated by the Seq2Seq-baseline model contain information repetitions. The summary generated by the Coverage model also contains repetitions, and includes some grammatical errors. The summary generated by our method eliminates repetitions and includes more salient information, such as “julian lines climbing using just his hands and feet for support”. The summary generated by our method is also more coherent.
Gold Reference: isis leadership is dominated by former members of saddam hussein’s army. Many joined the terrorist group in the insurgency after the fall of the dictator. U.S. had barred the men taking government jobs or showing their passports. geni’s military experience has been key to the terrorists’ spread in Iraq, sources say. Moving on from his connections with oil smugglers also help isis raise 2 billion a year.

Table 10: The Seq2Seq-baseline only reports few information. The summary generated by the Coverage model contains repeated information about “isis’ leadership is dominated by ex-members of saddam hussein’s army” and also contains few information. Our method can detect more salient information from the document, such as information about “many became involved with isis either in the resulting insurgency or after the dictator’s 2006 execution”.

Gold Reference: 2006 big brother winner pete squandered prize money on ketamine. He is now clean but homeless – and tells jeremy kyle he wants act. we look back at the fates of other winners of the reality tv show. pete benett says he squandered his prize cash on ketamine and is now homeless.

Table 12: The Seq2Seq-baseline model reports some non-salient information, such as “the liverpudlian, now 43, developed a construction training academy in the north west in 2006. Both the summary generated by the Seq2Seq-baseline model and the Coverage model also suffers from serious information repetitions. The summary generated by our method contains more salient information, such as the information about “his condition has calmed down and is now clean” and “he wants to act”.

Table 13: The summary generated by the Seq2Seq-baseline model contain information repetitions, such as “paramedics fought to save her and took her in an ambulance to hospital”.

Gold Reference: charlotte cobbald, 17, was visiting family farm in suffolk while being treated in a mental health unit. she said she felt like a ‘failure’ and injected herself with animal drugs. our method: jackie ward witnessed the family of four have racial slur shouted at them while they were out for the day on friday. car of unidentified white males drove past as one shouted ‘hey n*****s!’ ward said she shared the story to remind people to be kinder to each other.

Our Method: despite thousands of foreign fighters flocking to join the Sunni extremist group and starting in their propaganda videos, isis’ leadership is dominated by ex-members of the late iraq dictator’s military. almost all of the regional commanders appointed by isis’ leader and self-declared caliph, abu bakr al-baghdadi, played prominent roles in the baathist army before the 2003 invasion of Iraq and became involved with isis either in the resulting insurgency or whether the dictator’s 2006 execution. one of the most prominent former iraqi army generals within isis was abu musal al-turkmani who led the terrorists’ operations in iraq until he was killed in an american airstrike last november.