

A Details on PolyTope

A.1 Annotation Toolkit

We embed the evaluation rules in a Microsoft Excel workbook with Macros. The workbook contains 4 interrelated sheets, namely Score Card, Error Log, Scores per Segment, and Severity Matrix.

Score Card This sheet automatically calculates error numbers and scores (Figure 4), and demonstrates the whole performance of the tested model.

Error Log This sheet is the annotation interface designed for annotators (Figure 5). It is filled with source articles in column C and output summaries in column D in advance, and allows annotators to select segments that are deemed incorrect in column E to H. Upon one selection, annotators are asked to make a selection among 8 issue types (column F) and 8 syntactic labels (column G). A severity is then generated automatically in column J, and a quality score is calculated automatically in the Scores per Segment sheet individually and in the Score Card sheet overall.

Scores per Segment This sheet calculates word count, error count and score for each tested sample (Figure 6).

Severity Matrix This sheet is the predefined severity matrix (Table 2) embedded in the Excel workbook by Macros.

A.2 Issue Types

We give examples on *Inaccuracy_Intrinsic*, *Inaccuracy_Extrinsic* and *Positive-Negative Aspect* as follows, as other errors are easy to understand.

Inaccuracy_Intrinsic e.g., “Pittsburgh Union Station is 10 kilometers from Exhibition Center and 3 kilometers from the University of Pittsburgh” in the source but “Pittsburgh Union Station is 3 kilometers from Exhibition Center” in the output.

Inaccuracy_Extrinsic e.g., it is described as “Pittsburgh Union Station, also known as Pittsburgh South Station” in the output but “Pittsburgh South Station” is neither mentioned in the source text nor exists in the real world.

Before Evaluation		After Evaluation		PolyTope Metrics	
Evaluation Date:	<input type="text"/>	# Total Rows:	395	PolyTope Score:	85.43
Source Language:	<input type="text"/>	# Total Errors:	385	Errors / 1k words:	39.0
# Words:	9880	# Invalid Segments:	0	% Invalid Segments:	0.00%
# Segments:	150	# Correct Segments:	10	% Correct Segments:	6.67%

Score Card					
	Critical	Major	Minor	Invalid Target	Score
Results	191	194	0	0	85.43

Error Counts										
Issue Type	Sub_Issue_Type	Subject	Object	Predicate	Number&Time	Place&Name	Attribute	Function Word	Whole Sentence	Total Errors
Accuracy	Addition	0	0	0	0	0	0	42	0	114
	Omission	0	0	0	0	0	0	1	0	191
	Inaccuracy_internal	0	0	0	0	0	0	0	0	0
	Inaccuracy_external	0	0	0	0	0	0	0	0	0
	Positive_Negative_Aspect	0	0	0	0	0	0	0	0	0
Fluency	Word Order	0	0	0	0	0	0	0	0	0
	Duplication	0	0	0	0	0	0	0	0	36
	Word Form	0	0	0	0	0	0	0	0	0
Total Errors		0	0	0	0	0	1	43	0	341

Figure 4: Score Card

A	B	C	D	E	F	G	H	I	J	K
ID	#error	Source	Target	Issue Types	Subtypes	Labels	Issue Words	Reason for Error (optional)	Severity	Copy Row
b359-1	01	tom o'carroll , a leading	tom o'carroll , a leading member of the no	Fluency	Duplication	Whole Sentence	tom o'carroll , a leading member of the notorious paedop	Major		
b359-1	02	tom o'carroll , a leading	tom o'carroll , a leading member of the no	Fluency	Duplication	Whole Sentence	a leading member of the notorious paedophile informati	Major		
b359-1	03	tom o'carroll , a leading	tom o'carroll , a leading member of the no	Accuracy	Omission	Whole Sentence	69-year-old former key activist jailed in 1981 for ' corrup	Critical		
b359-1	04	tom o'carroll , a leading	tom o'carroll , a leading member of the no	Accuracy	Omission	Whole Sentence	pie was formed in 1974 to campaign for sex with childre	Critical		
b359-1	05	tom o'carroll , a leading	tom o'carroll , a leading member of the no	Accuracy	Omission	Whole Sentence	his attendance at the meeting is likely to be an embarras	Critical		
b364-1	01	tokyo (cnn) a bizarre a	tokyo (cnn) a bizarre and alarming disc	Accuracy	Addition	Attribute	tokyo	Major		
b364-1	02	tokyo (cnn) a bizarre a	tokyo (cnn) a bizarre and alarming disc	Accuracy	Addition	Attribute	bizarre	Major		
b364-1	03	tokyo (cnn) a bizarre a	tokyo (cnn) a bizarre and alarming disc	Accuracy	Addition	Attribute	alarming	Major		
b364-1	04	tokyo (cnn) a bizarre a	tokyo (cnn) a bizarre and alarming disc	Accuracy	Addition	Whole Sentence	more than four years after the fukushima daiichi nuclear	Major		
b364-1	05	tokyo (cnn) a bizarre a	tokyo (cnn) a bizarre and alarming disc	Accuracy	Addition	Whole Sentence	was found on the rooftop of japan 's equivalent to the wf	Major		
b364-1	06	tokyo (cnn) a bizarre a	tokyo (cnn) a bizarre and alarming disc	Accuracy	Addition	Attribute	nn)	Major		
						Event Entity-Subject				
						Event Entity-Object				
						Event Relation-Predicate				
						Number&Time				
						Place&Name				
						Attribute				
						Grammar Function Word				
						Whole Sentence				

Figure 5: Error Log

Positive-Negative Aspect e.g., “*push a button*” summarized as “*don’t push a button*”, “*non-slip*” summarized as “*slip*”. This category applies only to actions and modifiers and refers to omitted or added negative particles (Figure 13).

A.3 Syntactic Label

Subject The event body that is being discussed.

Predicate Acts and changes of state represented by verbs, verbal nouns, participles and gerunds. If a verb, verbal noun, participle or gerund acts as a modifier, it should be logged as “Attribute”.

Object A noun or noun phrase that is affected by the action of a predicate.

Number&Time Number refers to digits, including cardinal and ordinal numerals, multiplicative and negative numbers, fractions and decimals, represented in numeric or word form. Time includes specific hours and minutes, part of the day (morning, evening, etc.), specific months and years, and words and phrases like tomorrow, in 3 days, during the next hours, etc.

Place&Name Place includes geographic name (e.g. *Europe*), administrative regions (e.g. *Texas*), specific addresses (e.g. *No 158, Fifth Ave*). Name includes names of real people, fictional characters, art, literature creations, companies, etc.

Attribute Attribute refers to a syntax unit, either a word, phrase or clause, that modifies a noun.

Function Word e.g., prepositions, auxiliary verbs, articles, determiners.

Whole Sentence A set of words that is complete in itself.

B Details on Human Evaluation

Through a professional language service company, three candidates with a linguistic background and high level of English proficiency are employed for manual evaluation. They are all qualified language

workers with satisfactory levels in reading, and pass the training and testing before being hired. They go through two pilot studies to have a better understanding of PolyTope framework and the nature of text summary. Documents used in the pilot studies are not used in the final annotation. During annotation, they are all naive to the model names, ROUGE scores, architectures and techniques of tested samples. Each of them is requested to annotate 50 instance, where one instance includes the original document and 10 model generated summaries. And then cross check. Overall, we have 1500 examples in total. Each successful completion includes annotation and quality inspection. In this manner, we try to not only ensure fairness but also assure the quality of human evaluation.

For TextRank, SummaRuNNer and BART, we implement the model strictly following their corresponding papers and achieve their reported ROUGE scores. Then models are used to produce summaries on the 150 test trails. For other models, we obtain summaries directly from their publicly available sources.

C Case Study

Abstractive methods randomly splice fragments taken from the original text, leading to factual errors. See example of BertSumExtAbs (Figure 7), Pointer-Generator-with-Coverage (Figure 8) and Bottom-Up (Figure 9).

Comparing Pointer-Generator and Pointer-Generator-with-Coverage, among outputs of Pointer-Generator that do not suffer from *Duplication* errors, introducing the coverage mechanism may interfere with the original content selection process and cause new problems. See examples in Figure 10 and Figure 11.

The hybrid model gives high ROUGE scores overall, but does not necessarily combine strengths of extractive and abstractive methods. See example in Figure 12.

An example of *Positive-Negative Aspect* error is

ID	Source	Target	wordcount	Critical	Major	Minor	Invalid Source	Invalid Target	Score
b349-1	there may have been a few disgruntled	the empty pool was used as the unusual catwalk s	60	2	2	0	0	0	75.00
b353-1	more than 25 women have been all	one ship - hms ocean -- even had five pregnant sa	85	1	1	0	0	0	91.18
b359-1	tom o'carroll , a leading member of	tom o'carroll , a leading member of the notorious p	91	3	2	0	0	0	78.02
b364-1	tokyo (cnn) a bizarre and alarming	tokyo (cnn) a bizarre and alarming discovery is re	84	0	6	0	0	0	82.14
b377-1	chinese parents are passionate ab	chinese parents are passionate about raising child	76	2	2	0	0	0	80.26
b383-1	looking after elderly parents can be	a security guard from china has touched hearts ac	89	3	1	0	0	0	80.34

Figure 6: Scores per Segment

in Figure 13.

D Details on Layout Bias Calculation

We compute the similarity score for each sentence in the output summary with each sentence in the source document by BERTSCORE (Zhang et al., 2019), and illustrate a distribution of source sentence used for summary generation in Figure 2a and Figure 2b. In the news domain, neural summarization methods are typically biased towards selecting and generating summaries based on the leading paragraph of the document (Kedzie et al., 2018; Zhong et al., 2019). This stems from the structure of news articles, which present the most salient information of an article in the first few sentences and expand in the subsequent ones.

E Pearson Correlation

ROUGE scores in Table 4 in the main text refer to the standard F1 scores. We also compute the Pearson correlation coefficients between ROUGE-P and PolyTope measurement, for the reason that ROUGE-P measures the precision which might be highly correlated to the proposed error-based PolyTope framework. We list the results in Table 5 for reference.

	R-1	R-2	R-L
PolyTope	0.15	0.22	0.06

Table 5: Pearson between ROUGE-P and PolyTope.

F Slips in Reference

The CNN/DM dataset is a commonly used summarization dataset which contains news articles and associated highlights as summaries. We choose to focus on this dataset for the following reasons: First, both extractive and abstractive works report results on this benchmark dataset. Second, the gold summary in the dataset is the highlight sentence prefacing each article, which in most cases contains three sentences. This length is relatively closer to real world applications and more comprehensive for analysis than shorter summaries such as single-sentence summary. Hence, it provides us with a better benchmark to assess summarization models.

However, as a nature of the CNN/DM dataset, some reference summaries are of poor quality. Figure 14 shows an exemplary document-summary pair whose summary contains grammatical errors.

Figure 15 shows an exemplary document-summary pair whose summary has noise like “Click here for...”. Figure 16 shows an exemplary document-summary pair whose summary contains rhetorical sentences that interest readers but not crucial information to comprehend the document. In these cases, performance evaluation based on automatic evaluation is unreliable.

Source Document It used to be as much a part of a Sunday routine as eating a roast dinner or reading the papers. But new figures show that the art of washing your own car appears to be dying out in Britain with a third of men admitting they have never picked up a bucket or chamois leather to clean their own motor. The study also reveals that three-quarters of women never wash their own car with drivers more likely to take it to a car wash on a local forecourt. A new study has revealed that a third of men have never picked up a bucket or a chamois leather to wash their own car. The survey of 1,100 adults by vehicle leasing firm OSV, found that 31 percent of men have never washed their own car, with only 12 percent of those that do saying they do it regularly. Meanwhile only 5 percent of those surveyed said that had ever asked their children to wash the car, as a way for them to earn extra pocket money. Factors behind the decline vary from shops now opening on a Sunday and more live football on TV, meaning more people put off the chore at the weekend. The rise of hand car washes has been blamed for a decrease in drivers washing their own cars. Other reasons given for not washing cars include the rise of hand car washes and the fact that 4x4 and off-road vehicles are too large to clean. Brits are more likely to wash their own car during the holidays as the recent Easter break saw an estimated 15 million cars cleaned by their owners. However, one in four said they only did it as an excuse to get out of the house. Cars are most likely to be washed by their owners every week in Birmingham, Chelmsford and Sheffield and least likely in Oxford, Bath and Edinburgh. Audis, Toyotas and Bmws are most likely to be washed by their owners and Range Rovers, Peugeots and Mercedes least often. OSV spokesman Andrew Kirkley said: "A lot of us remember seeing our streets full of men cleaning their cars every Sunday. It was a national tradition. But let's face it, we don't have as much time any more, the cars are bigger and even the kids don't seem to want to earn a bit of extra money doing it for us either." On top of that, there is now plenty of choice out there if you want to put the car through an automated machine or get a gang of enthusiastic guys to do it fairly cheaply.

Reference 31 percent of British men say they have never washed their own car. Only 12 percent that have cleaned their own car say they do it regularly.

Model Output Three-quarters of women never wash their own car with drivers more likely to take it to a car wash on a forecourt. Survey of 1,100 adults by vehicle leasing firm OSV found 31% of men have never washed their own vehicle. Only 12% of those surveyed said that had ever asked their children to wash the car, as a way for them to earn extra pocket money.

Figure 7: Factual errors made by the BertSumExtAbs model.

Source Document She might be approaching her 89th birthday but nothing was going to stop the queen from enjoying a ride in the spring sunshine this morning. The monarch, 88, was spotted trotting through Windsor great park aboard her faithful black fell pony, Carltonlima Emma. Joined by a groom on another of her fell ponies, the queen cut a relaxed figure as she enjoyed her ride but, as is her wont, eschewed a helmet in favor of one of her silk scarves. Enjoying the sunshine: the queen enjoys a ride on her fell pony Carltonlima Emma. **The queen, who has never worn riding helmets, has been encouraged to wear the safety hats in the past but is reportedly reluctant to wear one because of her hair.** Speaking in an interview last year, her racing trainer Ian balding recalled the moment he asked why the monarch never wears a riding hat. The queen is said to have replied: "I never have and you don't have to have your hair done like I do." Her majesty is famous for her love of horses and first found herself in the saddle at the age of four after being presented with a Shetland pony, named Peggy, aged four. Since then, the royal stables have been home to a succession of steeds, among them Betsy, a black farm-bred horse who was her mount of choice in the 50's, and surprise, a grey gelding whom the queen famously galloped down the course at ascot in 1961. Equine enthusiast: her majesty adores the ponies and breeds them at Hampton court. No helmet: the queen never wears a riding helmet, preferring instead to ride in a silk headscarf. Cutting back: she has ridden less in recent years as a result of a nigglng knee injury. Long term love: the queen has ridden all her life and continues to breed several breeds of horse and pony. Recent years have seen her cut down on the amount of time she spends in the saddle - the result of a nigglng knee injury that also forced her to give up presiding over trooping the color on horseback. Nevertheless, the queen remains an enthusiastic equestrienne and, according to sources, is a familiar sight at her Windsor stables. She is also said to take a keen interest in all her horses and ponies, some of whom are now ridden by her grandchildren, notably Prince Edward's children, Lady Louise and James, Viscount Severn. Along with her thoroughbred race horses, the queen also breeds fell ponies and has a stud specialising in highland ponies at balmoral. First love: the queen's first pony was a tiny Shetland named Peggy who was given to her at the age of four. Familiar sight: the queen riding her much-loved horse Burmese during trooping the color. Seal of approval: a fell pony foal similar to those being bred by the queen at Hampton court. One of the oldest equine breeds on the planet, fell ponies like the queen's mount Carltonlima Emma, have roamed the moors of Cumbria since the Neolithic period. Docile, hardy and thick-set, the majority of fell ponies are black, grey or bay and measure between 13 and 14hh. Highly prized by the Carvetii, the iron age tribe who occupied the region more than two millennia ago, the ponies later caught the eye of the invading Romans and were used as trade goods all over the empire. The Romans also helped develop the breed into the relatively large animal it is today. Originally thought to have stood around 12hh tall (similar to Dartmoor and Exmoor ponies), by the end of the roman period, the average fell was more than a hand higher. Another invader to fall in love with the fell pony was the vikings, who used the animals as pack ponies; a use continued by the Normans. By the 13th century, the fell's usefulness as a pack animal was well-established and the pony played an important role in British trade until the end of the 18th century. Following the industrial revolution, fells were used to transport iron ore and coal from mine to town, as well as underground when the height of the shaft allowed. Although previously used in trotting races, the fell pony really came into its as a riding horse in the 1950s, when its gentle nature and pretty looks made it the pony of choice for families. Today, the pony remains a popular choice for riders of all ages, among them the queen who breeds fell ponies at her Hampton court stud. Source: the fell pony society.

Reference The queen was spotted enjoying a ride in Windsor great park today. Rode her favorite fell pony, named Carltonlima Emma. Left hard hats at home and opted for one of her favorite scarves instead.

Model Output The monarch, 88, was spotted trotting through Windsor great park aboard her faithful black fell pony, Carltonlima Emma. **The queen, who has never worn riding helmets, has been encouraged to wear one because of her hair.**

Figure 8: Factual errors made by the Point-Generator-with-Coverage model.

Source Document An argument between two Brisbane neighbors over noise levels has ended in tragedy with one man dead and another charged with manslaughter. Leon Yeaman, 55, was allegedly killed by a single punch in the head from 28-year-old shift worker Phillip Pama, 28, during a row in front of their north Brisbane homes. Mr. Yeaman was reportedly in his yard on Muller Road making a lot of noise at around 9 pm Thursday night. Phillip Pama covered his face as he left Brisbane magistrate courts where he was granted conditional bail on Friday. Pama, a married father of three, works a 3 am shift at a nearby warehouse and was sleeping at the time Mr. Yeaman was making a commotion. Pama's defence lawyer Bruce Peters said Mr. Yeaman was known for getting drunk, playing loud music and yelling at "the world at large". Pama then confronted Mr. Yeaman and it was at that point the situation escalated. Mr. Peters said his client grabbed his neighbor by the hand and hit out "blindly". "He was being pushed at the same time he was throwing the punch," Mr. Peters revealed during a bail application for Pama. "he didn't see it connect but he felt it connect." The father of three allegedly killed his 55-year-old neighbor with one punch after he refused to turn his music down. Paramedics were unable to revive Mr. Yeaman who was pronounced dead at the scene at around 11 pm on Thursday night. Neighbors described Mr. Yeaman as kind and generous while his friend John Fisher told ABC radio he was a schizophrenic pensioner who enjoyed playing loud music. Pama shielded his face from reporters outside Brisbane magistrate courts when he was granted bail on Friday. The Samoan man was ordered to surrender his passport, adhere to a curfew from 6 pm to 2 am and will have to report to the local police station twice a week. Pama, who has no history of violence, was reportedly "beside himself" with grief. The case is due to return to court on May 18.

Reference Two men got in an argument about noise levels on Thursday night. A scuffle broke out and Phillip Pama struck Leon Yeaman once in the head. Mr. Yeaman could not be revived and was pronounced dead at the scene. Pama has no history of violence and is reportedly "beside himself". His defence lawyer said he hit out "blindly" and didn't see his punch connect. Pama was granted conditional bail and is set to return to court May 18.

Model Output Leon Yeaman, 55, was allegedly killed by a single punch in the head from 28-year-old shift worker Phillip Pama, 28, during a row in front of their north Brisbane homes. Mr. Yeaman was granted conditional bail on Friday. He was ordered to return to court on May 18.

Figure 9: Factual errors made by the Bottom-Up model.

Source Document An obsessive arsenal fan made his girlfriend sit a test quizzing her about his favourite football club. Marking her answers with red pen, she scored an impressive 43.5 out of 50, to which he commented, “Well done Saskia! As a result, I will not be dumping you! (lucky you)”. Saskia posted snaps of the test to her twitter account, @saskiaisabxlla, commenting “boyfriend made me take an @arsenal exam!” with emoticons showing she didn’t know whether to laugh or cry. We don’t blame her. Saskia’s football fan boyfriend made her take an arsenal test and didn’t dump her thanks to her A grade. The test took the form of a school exam, with multiple choice questions, tables to complete, and ‘in your own words...’ section. There were even “helpful” instructions including “read every question at least twice” and “check your answers if you have time at the end”. Oh, and “calculators may be used”. Saskia scored an impressive 87 percent, but according to her unnamed boyfriend’s feedback she could have performed better on q17, needs to learn all player positions and should understand that tottenham are scum. She scored some decent points for her more creative answers. Saskia clearly knows how to keep her boyfriend happy, as she humoured his question of “why are arsenal the best team to ever grace english football?” with the answer of “they’ve won many fa cups” and “Thierry Henry is a legend”. However, when she got an answer wrong, her examiner wrote the correct answer in capitals and drew an angry face. Saskia struggled to name all 11 players of the starting squad and got confused on the player positions. He was impressed with the end result, though, grading her an “A” and rewarding her by not ending their relationship. Comments generally hailed the man as a “legend” and fellow football fans were impressed with Saskia’s knowledge. Some twitter users hailed the unnamed boyfriend who tested Saskia on her arsenal knowledge as a legend. scoring 87%, football fans were impressed with Saskia, claiming her as “proper girlfriend material”.

Reference Arsenal fan’s girlfriend avoids getting dumped after passing football test. Saskia got an “A”, but apparently needs to work on her player positions. The bemused woman posted pictures of boyfriend’s test on twitter.

Model Output (PG) Saskia posted snaps of the test to her twitter account, @saskiaisabxlla. She posted snaps of the test to her twitter account, commenting “Well done Saskia! As a result, I will not be dumping you! (lucky you)”.

Model Output (PG Coverage) Arsenal fan made his girlfriend sit a test quizzing her about his favourite football club. She posted snaps of the test to her twitter account, @saskiaisabxlla, commenting “boyfriend made me take an @arsenal exam!” with emoticons showing she didn’t know whether to laugh or cry. Oh, and “calculators may be used”.

Figure 10: The Pointer-Generator-with-Coverage model tends to make *Addition* errors when Pointer-Generator does not have repetitions.

Source Document A teenager set herself on fire after allegedly being raped by five men from her village in India – and her family reportedly told her to keep quiet about the attack. The 14-year-old is now fighting for her life in Delhi’s Safdarjung hospital with 70 percent burns. She was allegedly gang-raped on Sunday when she went outside her house in Kosi Kalan, in Uttar Pradesh’s Mathura district, to relieve herself. A teenager set herself on fire after allegedly being raped by five men from her village in India. She is now recovering in Delhi’s Safdarjung hospital. She was allegedly gang-raped on Sunday when she went outside her house in Kosi Kalan, in Uttar Pradesh’s Mathura district, to relieve herself. On Tuesday **she set herself on fire using kerosene, according to NDTV**, to the shock of her brother, who doused her with water. He told the broadcaster: “when I woke up, I saw her in flames ... I poured water on her to put out the flames.” **The girl was screaming for help, according to a neighbour**. The accused men have been arrested. There is a heightened sensitivity to the issue of sexual assault in India at the moment after officials last month banned India’s daughter, a documentary about the gang rape and murder of an Indian student in Delhi. Recent attacks in India have resulted in street protests with many calling for more protection for women. Officials said the documentary would cause further disorder if it was shown, following a number of protests and incidents of vigilante justice in the country. The documentary explained the brutal rape and murder of 23-year-old student Jyoti Singh, who was attacked on a bus when she returned home from the cinema. One of the six men convicted of the attack, bus driver Mukesh Singh, was interviewed in prison and told researchers that had Jyoti not fought back she would not have been killed. Her death led to protests throughout India and outraged the world. Last month an angry mob was seen on video footage beating a man to death in the street who was accused of raping and murdering an 11-year-old girl. Video footage has emerged of the brutal prolonged attack on the 18-year-old, which was watched by a jeering 1,000-strong crowd in Nagaland in eastern India. Ibo Cha was said to have been beaten for an hour before he died of his injuries. The footage was shot in September last year after the girl’s body was found in woodland, enraging locals. But it only came to light after earlier this year alleged rapist Syed Sarif Khan was kidnapped from prison and dragged through the streets of the same area. He was then stripped naked and beaten to death. He was accused but not convicted of raping a 19-year-old female student multiple times. Later Nagaland government said he was innocent. Jyoti Singh Pandey, a physiotherapy student, was gang raped as she travelled on a bus. The 23-year-old suffered in hospital for 13 days from her injuries before she died. Vinay Sharma, 20, Akshay Thakur, 28, Pawan Gupta, 19, and Mukesh Singh, 26, were all sentenced to death for her rape. Ram Singh, co-accused and widely considered the leader of the group, was found dead in his cell. A minor also found guilty was sentenced to three years in a reformatory institution. Her death sparked angry protests in India and internationally about misogyny in the country. The attention forced judges to prioritise the case and the lawyer’s association in Saket reportedly refused to defend the perpetrators.

Reference She was allegedly attacked after leaving her house to relieve herself. The attack is said to have taken place in India’s Uttar Pradesh region. Victim suffered 70 percent burns after dousing herself in kerosene. Her brother apparently saw her covered in flames and threw water on her.

Model Output (PG) The 14-year-old is now fighting for her life in Delhi’s Safdarjung hospital. She was allegedly gang-raped on Sunday when she went outside her house. She was allegedly gang-raped on Sunday when she went outside her house. She set herself on fire using kerosene, according to **NDTV**.

Model Output (PG Coverage) Teenager set herself on fire after allegedly being raped by five men. She was allegedly gang-raped on Sunday when she went outside her house in Kosi Kalan, Uttar Pradesh’s Mathura district, to relieve herself. On Tuesday she set herself on fire using kerosene, according to a **neighbor**.

Figure 11: The Pointer-Generator-with-Coverage model tends to incorrectly combine information from the document, thus leading to *Inacc_Intrinsic* errors.

Source Document A trend we are just starting to get our heads around is the wide leg trouser. Be it denim, cropped, printed or striped, the wide leg trouser is at the forefront of ss15 trends. There's something effortless about a wide leg trouser that really appeals. And if like us you are growing tired of the skinny jean and want to try out a new look this could be your answer. Louise redknapp says that a wide-leg trouser can come as a welcome relief from the skinny jean. Skinny jeans have held court for quite a few years now and while they will never go out of style the wide leg will give you an alternative look. It's not the first time this look has made a comeback since the seventies. Lou tried the out the trend seven years ago with a stella mccartney flared jean - luckily she kept hold of them! The wide leg can be intimidating, especially if you're on the shorter side. But the key is all in the shoe. Huge amounts of fabric is hard to look flattering but if you keep your heels high and your top half simple you can pull it off with confidence. A high heeled shoe with an exposed top of foot will elongate the leg, a must when wearing a cropped voluminous trouser. Louise and Emma say to avoid being drowned by too much fabric try a high heeled shoe. Louise recommends pairing a wide-leg with a simple knit to keep the outfit in proportion if going for a longer length go high-waisted and very long to give extra leg length. Proportion is everything, team with a simple knit, shirt or tee to keep the look current and cool, not costume. Denim is the easiest way to nail the trend - Gucci revisited the seventies with a collection filled with flared jeans in vintage washes. The stylish pair agree that denim is the easiest way to achieve the trend. The wide-leg trouser made an appearance on several catwalks including on the runway of Gucci ss15 who showcased a denim take on the trend, for a high street take try the topshop miller jean (right). Celine showcased colourful billowing bottoms on their ss15 runway topshop meanwhile have been quick to follow suit with their version - the miller - a 1970s-style wide leg flare. Celine and Stella McCartney kept it classy with a dressier-style pant, perfect for an evening look. Try new online label finery London for a similar style with a lower price tag. A wide billowing trouser silhouette will update your wardrobe this season and the bonus is it's one spring trend you don't need nice weather for. To shop our looks and for more wide-leg trouser inspiration head to astylealbum.com. Poppy Delevingne channeled the trend at the aw15 chloe show in Paris.

Reference Louise Redknapp and stylist Emma Thatcher try the wide-leg trouser. They say it makes a good replacement for ever-popular skinny jeans.

Model Output (Bottom up) Louise redknapp says trouser can come as the wide leg trouser jean. Lou jeans will not go out of the leg trouser. The trouser is a wide leg trouser.

Model Output (SUMMA) Louise Redknapp says that a wide-leg trouser can come as a welcome relief from the skinny jean. Louise and Emma say to avoid being drowned by too much fabric try a high heeled shoe. Poppy Delevingne channeled the trend at the aw15 chloe show in Paris.

Model Output (BERTSUMEXTABS) The wide leg trouser is at the forefront of ss15 trends. It's not the first time this look has made a comeback since the seventies. Louise and Emma say to avoid being drowned by too much fabric try a high heeled shoe.

Figure 12: The Bottom-Up works bad but other models work well.

Source Document (CNN) Bobbi Kristina Brown, the daughter of Bobby Brown and Whitney Houston, has “global and irreversible brain damage”, according to her grandmother. Though the 22-year-old is **no longer in a medically induced coma**, she remains unresponsive, Cissy Houston said in a statement Monday after visiting her granddaughter. “meeting with the doctors and understanding that she can live in this condition for a lifetime truly saddens me,” Houston said. “we can only trust in god for a miracle at this time.” Houston’s statement matched that from a source with knowledge of brown’s condition, who told CNN on Monday that she remained in the same neurological state she has been in for nearly three months. She does not respond to visitors or familiar voices, and her eyes do not follow a person around the room, the source told CNN. She also has a tracheostomy in her throat, the source said. The reports come two days after Brown’s father, Bobby Brown, said his daughter’s condition had improved. “i can say today, Bobbi is awake. She’s watching me,” Brown told the audience at Dallas’ Verizon Theatre. The audience cheered. In a statement Monday, an attorney for the Brown family said that Bobbi Kristina Brown’s condition has improved but that the kind of life she will lead remains to be seen. “doctors have indicated that she will have a long life,” attorney Christopher Brown said. “however, Bobbi Kristina is presently embarking on a rehabilitation process, and the quality of her life will not be known for years to come.” Who’s who in the Bobbi Kristina Brown case? Bobby Brown was in an “emotional state” on stage when he made the remarks about his daughter being awake, according to the statement. “she has made it out of ICU, opened her eyes and started a rehabilitation that will be long and hard,” said Bobby Brown’s wife, Alicia Etheredge Brown.

Model Output **Bobbi Kristina Brown is in a medically induced coma**, her grandmother says. Bobbi Kristina Brown’s condition has improved but that the kind of life will be seen. Brown’s mother says Bobbi Kristina Brown’s condition has improved.

Figure 13: Example of positive-negative errors.

Source Document This little piggy has become an Internet sensation after learning how to walk on just two feet. The piglet was born with its back legs missing and has mastered the art of balancing on its front trotters. The heartwarming clip featured on the people’s daily online shows the young animal taking unsteady steps, wobbling about with its snout to the ground, foraging for food. Heartwarming: the two-legged pig has become an Internet sensation because of a cute video showing it learning to walk. There are several occasions it looked close to tipping over but remarkably the piglet always manages to regain its balance. It happily mixes with the rest of the litter, which have all been born with a full complement of legs. The piglet belongs to a farmer, Ms. Duan, from Qionglai city in Sichuan province, south western China. Since its birth, villagers have flocked to take a peek at the curious animal. Tricky: the piglet has to use extraordinary balance to stand on its front trotters while all its siblings were born with all four legs. Athletic: the piglet, nicknamed “super pig” can balance on its two front trotters and has captured the hearts of thousands since a video went online. Siblings: one of the other piglets looks to copy the two-legged creature as it takes a quick rest from trotting about. Ms. Duan said: “When the piglets were feeding I noticed something strange with one of them. When I picked it up I could see it had no hind legs.” It is not the first animal with two legs instead of four to win plaudits in China. A rabbit at Liuzhou zoo became a star attraction after learning to walk on its front paws. Many tourists in China’s Guangxi province have been taking a detour to see the furry star hop on its front paws. Looking for grub: the piglet balances on two legs while keeping its snout to the ground in the hunt for food.

Reference Piglet **was** born in China with only two front legs **has** learned to walk. Villagers have flocked to see the two-legged animal in Qionglai. A video released online **and** has captured the hearts of thousands.

Figure 14: Reference contains grammatical errors.

Source Document Conor McGregor is gearing up for a featherweight title challenge against Jose Aldo on July 11 and has unveiled a fearsome new tattoo ahead of the encounter. The 26-year-old Irishman has already got a picture of a gorilla eating a heart inked upon his chest and “the notorious” has now revealed a tiger’s face tattooed onto his stomach. “If you see the tiger, it’s too late. You’re food.” McGregor wrote next to the Instagram post of his new artwork. Conor McGregor reveals his new tattoo of a tiger on his stomach to his Instagram followers. McGregor (left) poses in the shop with a fan shortly after having his tattoo on his stomach done. McGregor is challenging Jose Aldo for his featherweight champion title in Las Vegas on July 11. Aldo makes the eighth defence of his belt against the Irish fighter in Las Vegas, but McGregor claimed last week that the man he is challenging lacks the same motivation as him. “He doesn’t want to be near me. He doesn’t want this the way I want it.” McGregor said. “He can’t hide the fact he doesn’t want the belt in his presence.” Conor McGregor grabbed Aldo’s (left) belt when they took their promotional tour to Dublin. McGregor claims he has greater motivation to win the title than Aldo has to defend it for the eighth time. At the end of march, the duo were undergoing a promotional tour in Dublin when McGregor grabbed the belt from Aldo and raised it in front of 5,000 home supporters. The pair have a fractious relationship as it is, with a little under three months away until McGregor has a chance to legitimately hold the belt before his supporters.

Reference Conor McGregor shared a picture of his new tiger tattoo on his stomach. The 26-year-old McGregor is set to challenge Jose Aldo on July 11. McGregor grabbed Aldo’s featherweight champion belt in Dublin. [Click here for all the latest UFC news.](#)

Figure 15: Noise data in reference.

Source Document Manchester United manager Louis Van Gaal says he has been dreaming of beating rivals City in Sunday's Derby at old Trafford but will have to do so without Robin Van Persie. Van Persie said he was fit to feature in the game against City on Sunday after ankle trouble but Van Gaal has ruled him out. "Most of the players are fit but being fit for me is different." Van Gaal said. Robin Van Persie will not return to the fray for Manchester United against Manchester City on Sunday. Louis Van Gaal explained at his press conference on Friday that Van Persie is not yet fit enough to play. United players train in the sunshine ahead of their game against local rivals City on Sunday. "Robin is not fit enough to play." With city rocking after defeat at crystal palace on Monday, Van Gaal and his players have an opportunity to finish as high as second or third and avoid a champions league qualifying fixture later in the summer. The United boss wants his side to move towards that target by taking all three points against City. Van Gaal said: "I dream of it. Every player should dream of the victory. Of course I want to win because it's a big step up the table also. If we win then third place is available." Van Gaal watches on as he prepares his side for his first Manchester Derby at Old Trafford. Manager Van Gaal oversees the training while captain Wayne Rooney runs with the ball. Goal keeper David De Gea, Winger Angel Di Maria and Radamel Falcao were in training action. Rooney leads the way in training as he runs through some cones in the sunshine on Friday in Manchester. Di Maria, Juan Mata, Falcao, Marcos Rojo and Ander Herrera prepare to take on City. "A few months ago, nobody would have thought about that, apart from me. If we win then the position in the table is good as we would then almost certainly be qualified for the top four. And if we are third it's better than the goal we set in preseason." Van Gaal acknowledged that City will provide a stern challenge to his team and played down the idea he will be motivated by revenge, after losing the away fixture earlier in the campaign. "We have lost 1-0, that is my history, the last game," Van Gaal said. "I say always in such games, always, you have to control your aggression." We did not do that at that time. So I hope we have learned from that moment. I can not say because we lost that game that we have to win this game. "In my opinion, you can lose to Man City two times. That is possible." The united boss also ruled out a potential return for Luke Shaw. Like Van Persie, Van Gaal does not yet consider him fit enough to feature. "I don't think Shaw is fit enough to play," Van Gaal said. "but I can not say they are not fit, but in my opinion they are not fit to play. That is a different question." Luke Shaw is another player yet to be at the standard of match fitness required by Van Gaal. Rooney, Ashley Young, Goalkeeper Anders Lindegaard and Michael Carrick have a breather. Falcao and Antonio Valencia look in high spirits as they prepare for the Derby. Herrera will be hoping to continue the fine form that has seen him become one of United's key players recently. Van Gaal admitted he is looking forward to sampling the Derby atmosphere at Old Trafford, as he takes on City with home advantage for the first time since arriving at the club. "When I see the fans of Man UTD, they are supporting us in a marvellous way, I think," Van Gaal said. "after matches, I give our fans a big compliment, not because I have to, because then I wouldn't say it. I say it because I feel it."

Reference Manchester United face Manchester City in the premier league on Sunday. Robin Van Persie said he was fit for united after nearly two months out. But Louis Van Gaal has since revealed he will be without the striker. [Van Persie declares himself fit, but do Manchester United need him?](#) Click here for all the latest Manchester United news.

Figure 16: Reference contains rhetorical sentences that interest readers.