

Identification and Extraction of Hedges for Semantic Search

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ABSTRACT

Hedges have been studied as crucial elements of communication. The component of fuzziness associated with them allows researchers to convey propositional content in their utterances. Despite extensive research in literature, little or nothing has been done to identify and extract them. This study aims to extract hedges for information retrieval by first identifying potential hedges. Here, tokens of three from sentences are hypothesized, and Hedge-Qualifiers, acting as potential hedges, are extracted, with the hedges then retrieved from the Hedge Database. This initiation process serves the purpose of information retrieval. The present study is focused on the identification and extraction mechanisms to facilitate a comparative analysis.

General Terms

Corpus-based approach, frequency count, and graphical analysis of frequencies.

Keywords

Hedges Extraction, Trigrams, Information retrieval, Hedge-Qualifiers, Cone-Set.

1. INTRODUCTION

Crucial elements of communication, hedges are tactical tools used by authors and speakers to express subtleties of possibility, respect, and ambiguity [30]. Because of the innate fuzziness of human language, hedges allow people to communicate attitudes regarding the propositional substance of their utterances and vary the force of their statements ([3],[37]). Words and phrases like "perhaps," "might," "to a certain extent," and "it is possible that" are examples of linguistic components [8]. Hedges are essential for preventing potentially embarrassing behaviour and promoting peace among people [8]. According to Azher et al., they can be viewed as pragmatic phenomena employed in interpersonal communication [3]. Hedges agree that knowledge is subjective and contingent on circumstance [8]. By using hedges, communicators invite discussion and meaning negotiation with their audience by indicating that they are aware of the possible limitations in their statements. In intellectual and scientific discourse, where correctness and precision are crucial, yet complete certainty is sometimes impossible, the use of hedges is significant. Researchers can cautiously communicate their findings when hedges are used skillfully [14]. Additionally, hedges allow for different readings and reduce the likelihood of conflict and promote cooperative communication by enhancing general civility and diplomacy [38]. The audience's characteristics, the speaker's degree of experience, and the larger sociocultural setting in which communication occurs all have an impact on the strategic use of hedges. In academic writing, hedges are typically used more frequently by non-native English speakers [31]. The reason for this is that the phenomenon is not as

powerful in their original languages as it is in English [20]. However, attempts at persuasion may be hampered using informal language while discussing statistics [9]. The density and purpose of hedges, particularly discourse-based strategic hedges, are revealed through text analysis [21]. These impact the negotiation and production of meaning [38]. The research on hedging devices shows that various academic fields use them differently, underscoring the fact that language choices are context-specific [2]. Linguistic hedges are ultimately essential tools for successful communication because they allow people to delicately and skillfully negotiate the intricacies of interpersonal relationships ([4],[35]).

2. LITERATURE REVIEW

Since Lakoff coined the term "words whose job is to make things more or less fuzzy" to describe phrases like "I think," "perhaps," "might," and "maybe" that qualify categorical claims, hedging has been used [22]. A hedge is a term used to indicate an intent to avoid total commitment or a lack of total commitment to a concept. In scientific discourse, the use of hedges is crucial for conveying hesitancy and potential. Hedges have been recognized by linguists as a fascinating linguistic phenomenon. Yu [36] found that most hedge studies focus on academic or scientific writing, including journalism ([39],[40]), molecular genetics articles [24], economics ([26],[6]), science digests [10], and medical discourse ([27],[28],[29],[1]).

Initially, hedges enable authors to express arguments with greater precision in rapidly evolving domains. Hedging is an essential method for validating the veracity of a claim and for articulating ambiguous statements with prudence. Scientific writing necessitates a balance between accuracy and assessment to convey knowledge comprehensively, properly, and impartially. Rather than claiming a clear-cut link, writers use the phrase "P may lead to Q" to highlight the existing understanding. Hedges distinguish the actual from the prospective, or the known from the inferential, indicating that a claim is based on plausible reasoning rather than certitude. Such statements presuppose that readers accept the author's assertion. Secondly, authors employ hedges to anticipate the adverse consequences of error and the forfeiture of a claim. Academic reputations rely on noble, intriguing, and trustworthy knowledge contributions, which include making the strongest evidence statements. Exaggeration can be perilous; so, writers must use extra caution. Hedges enable writers to avoid personal responsibility for claims, protecting their reputations and mitigating the risks of absolute commitment. Lakoff linked hedges to 'fuzziness', suggesting that they may obscure the connection between a writer and a statement when addressing speculative possibilities [22].

Hedging enables authors to acknowledge diverse perspectives, articulate unverified claims with caution, and facilitate

audience engagement. It is an essential method for professional scientists to engage with research groups, so its examination has numerous implications. Regrettably, although linguists concur on the significance of hedging, there is a lack of knowledge on its use in other disciplines.

Research on modality has predominantly been theoretical [23], whereas corpus studies have concentrated on modal verbs and non-academic sources ([7],[25]) or on certainty and mitigation [14]. Research on written academic corpora has concentrated on generalized 'commentative' elements ([1],[32]), abstract modal verbs ([12],[5]), numerical phrases [6], or hedges within specified explanatory classifications. A substantial lack is found in the identification and extraction of hedges. The fuzziness associated with hedges makes them vulnerable for identification. After all, hedges are phrases serving the purpose of mitigation of claims or working as a proactive device by authors.

There is no indication that hedges have been extracted, and the literature shows little to no activity in this area. Retrieving documents pertinent to an end user's information demand is the aim of an information retrieval (IR) system, or more specifically, a textual information system.

In the present work, an effort is being made towards extraction of Hedge-Qualifiers out of a given sentence using the process of tokenized frequencies which will further lead to the extraction of Hedges. The given sentence is broken into tokens of three, trigrams. In the following section, an extensive description of the methodology is given which has been employed in their extraction. The fourth section deals with the modelling of the problem. In Section 5, the database of hedges is used from the literature to extract hedges from the Hedge-Qualifiers.

3. METHODOLOGY

Two steps are involved in the proposed model to extract hedges from a sentence: First, the Hedge-Qualifier is investigated or searched, and then the hedges are extracted.

Step I: Hedge-Qualifier

The following sentence is being presented for precision: -

'I had the story, bit by bit, from various people, and as generally happens in such cases, each time it was a different story'. The trigrams considered for the sentence are given as below: -

'I had the', 'had the story', 'the story bit', 'story bit by', 'bit by bit', 'by bit, from', 'bit, from various', 'from various people', 'various people, and', 'people, and, as', 'and, as generally', 'as generally happens', 'generally happens in', 'happens in such', 'in such cases', 'such cases, each', 'cases, each time', 'each time it', 'time it was', 'it was a', 'was a different', 'a different story'.

The present methodology is aimed at deriving trigrams from a given sentence. Further, the corpus is enriched to count frequencies of trigrams of the input sentence. The corpus is enriched by merging various open-source corpora like COCA, COHA, GLOWBE, NOW, Corona, WIKI, TV, movies, soap.¹

When the results obtained are plotted, wherein the X axis represents the number of trigrams from a given sentence and the Y axis represents their corresponding frequencies, cones are formed, and the phrases falling under the cones are identified as potential hedges, i.e., Hedge-Qualifier. Cones are susceptible to frequency variations; a sequence's growth and subsequent decrease are influenced by local maxima. When writers use hedges, their claims may be mitigated; so, hedges are more compact phrases in terms of frequency; a quick increase in sequential frequencies followed by a decline indicates a compact phrase that occurs more frequently in the corpus. Consequently, it is determined that the cone's apex is a local maximum.

So, the task has been to identify cones. Once identified, they are hypothesized as potential hedges because they create variation in each sentence. Suddenly, the variation in the sentence becomes the point of interest.

Step II: Extraction of Hedges

This section deals with the matching of hedge qualifiers with the database of hedges found from literature [34]. Hedge-Qualifiers allow for the extraction of only qualified hedges, as opposed to the mere extraction of phrases. Phrases may act as a hedge for some sentences, but on the other hand, they may not qualify the meaning of hedging for other sentences, which results in the fuzziness associated with them. Hedge-Qualifier enables to address the issue of fuzziness.

4. EXPERIMENTAL DESIGN AND RESULTS

Trigram frequencies in a sentence are counted and plotted on a graph. Define a variable n as a trigram, and n_i indicates where the trigram appears in a sentence. Consequently, n_1 represents a sentence's initial trigram, n_2 its second, and so on. The frequency of the trigram n_i is further defined as a function $f(n_i)$.

Here's how to recognize a cone: Begin with the first trigram, n_1 and determine the difference between the frequencies of the first two trigrams, $f(n_2) - f(n_1)$. If the difference is positive, the process is repeated for the following two trigrams. Unless a negative difference is found, the process continues; once a positive difference is found again, the process ends.

A set $\{f(n_i) - f(n_{i-1})\}$ of positive values is identified that are followed by negative values, call it a Cone-Set, and treat the phrase that is between the first and last elements (trigram) as a Hedge-Qualifier. Thus, the term associated with the first and last elements of a Cone-Set is the Hedge-Qualifier.

The procedure is elaborated as follows: -

Consider a sentence 'I observed the signs of impending doom not because I was so much more perceptive than the others at the firm, but simply because I spent the most time with the man'.

The frequencies of various trigrams are given as: -

¹ The link for the corpus used is:
<https://www.corpusdata.org/formats.asp>

Table 1. Frequencies of trigrams for the given sentence

S.No.	Trigrams (n_i)	Value of i	Frequency of trigram ($f(n_i)$)
01.	I observed the	01	3
02.	observed the signs	02	0
03.	the signs of	03	29
04.	signs of impending	04	1
05.	of impending doom	05	5
06.	impending doom not	06	0
07.	doom not because	07	0
08.	not because i	08	31
09.	because i was	09	312
10.	i was so	10	382
11.	was so much	11	76
12.	so much more	12	191
13.	much more perceptive	13	0
14.	more perceptive than	14	0
15.	perceptive than the	15	0
16.	than the others	16	35
17.	the others at	17	10
18.	others at the	18	11
19.	at the firm,	19	0
20.	the firm, but	20	0
21.	firm, but simply	21	0
22.	but simply because	22	4
23.	simply because i	23	11
24.	because i spent	24	3
25.	i spent the	25	50
26.	spent the most	26	5
27.	the most time	27	9
28.	most time with	28	2
29.	time with the	29	80
30.	with the man.	30	0

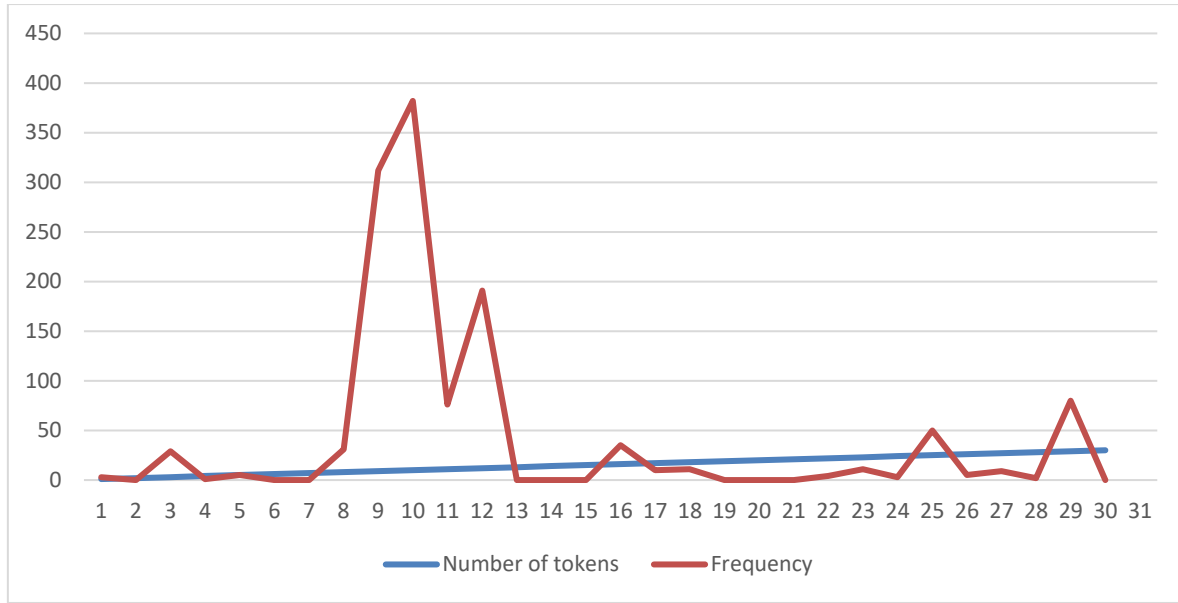


Fig 1: Graphical representation of the Hedge-Qualifiers as Cones

Table 2. Cone-Set and their corresponding Hedge-Qualifiers

Cone-Set	Hedge-Qualifier
$\{n_2, n_3, n_4\}$	observed the signs of impending
$\{n_4, n_5, n_6\}$	signs of impending doom not
$\{n_7, n_8, n_9, n_{10}, n_{11}\}$	doom not because i was so much
$\{n_{11}, n_{12}, n_{13}\}$	was so much more perceptive
$\{n_{15}, n_{16}, n_{17}\}$	perceptive than the others at
$\{n_{17}, n_{18}, n_{19}\}$	the others at the firm,
$\{n_{21}, n_{22}, n_{23}, n_{24}\}$	firm, but simply because i spent
$\{n_{24}, n_{25}, n_{26}\}$	because i spent the most
$\{n_{26}, n_{27}, n_{28}\}$	spent the most time with
$\{n_{28}, n_{29}, n_{30}\}$	most time with the man.

5. EXTRACTION OF HEDGES

This section entails finding hedges from the hedge-qualifier. This study utilizes a database of hedges derived from existing literature. Yu [36] categorized hedges into five distinct groups: Modal Hedges, Mental Hedges, Pragmatic-Marker Hedges, and Quantificational Hedges. The fifth group consists of Tag Questions, Subjunctives, and Depersonalization. There is further evidence of comparative analysis and hedge categorization in the works of Holmes ([13],[14]), Hyland ([15],[16],[17],[19]), Hyland and Milton [18], and Yu [36], Fujiki et al. [11]. A database of hedges is used that incorporates frequently used hedges for comparative analysis [33]. Hedge-Qualifiers are matched with the database of hedges, and phrases found commonly are extracted as final hedges. The present approach has put a filter on the phrases compared directly from the database. The advantage of Hedge-qualifier is demonstrated by comparing hedges extracted from Hedge-qualifier against the hedges found through direct matching of phrases over 100 randomly selected sentences (Appendix A.1).

6. RESULTS AND DISCUSSION

The comparison analysis is limited by the fact that a hedge is a sentence-specific term, even with the provided classification and database of hedges. One could come across a phrase in the hedge category that functions as a hedge for one sentence while also serving as a typical expression in the other sentence. For example, 'almost' is listed in the category as a quantitative hedge. The phrase 'I was almost there when the event took place' is taken into consideration, regardless of whether 'almost' is acting as a hedge. However, if 'Almost' is looked at as an adverb that means very nearly but not exactly or entirely, it is discovered that it is not acting as a hedge in this context. Therefore, a Cone-Set is devised to clarify this ambiguity.

7. CONCLUSION AND FUTURE SCOPE

The fuzziness associated with hedges, which are simple words or phrases, has been addressed by the current model. Hedge-Qualifier provided potential hedges, and the proposed model adequately extracted them. The very consequence of the

approach has facilitated the extraction of morphological hedges. The proposed model paved the way for further identification and presentation of crucial hedging devices in oral and written discourse.

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9. APPENDIX A.1

S.No.	SENTENCES	POTENTIAL HEDGES	HEDGES EXTRACTED THROUGH PROGRAM	DIRECT EXTRACTION OF HEDGES FROM DATABASE
01.	We had first met when I was a young law student hired by one of his partners as a summer research intern.	We had first met when first met when I was a young law hired by one of his partners as his partners as a summer research	-- -- -- --	-- -- -- --
02.	The rich and famous flocked to his side whenever they needed a superb legal tactician with an aggressive edge.	famous flocked to his side whenever whenever they needed a superb tactician with an aggressive edge.	-- -- --	And,
03.	Though I had graduated from Harvard Law School, his alma mater, I certainly wasn't the brightest intern at the firm, and my family pedigree reflected no blue blood.	i had graduated from Harvard graduated from harvard law school, brightest intern at the firm, firm, and my family pedigree	-- -- -- and	No, and, certainly,
04.	No matter how busy he was, he would always ask about Jenny, the woman I still call "my bride" even though we were married before I went to law school.	was, he would always ask about " jenny, the woman i still " bride"" even though we were though we were married before i married before i went to law school.	Would -- -- -- --	Would,
05.	For the first few years he justified his long hours by saying that he was "doing it for the good of the firm", and that he planned to take a month off and go to the Caymans "next winter for sure."	years he justified his long hours by saying that he was ""doing " ""doing it for the good for the good of the firm"" " firm"" and that he planned that he planned to take planned to take a month take a month off and month off and go to the caymans ""next	-- -- -- -- and -- -- and and	And, sure,
06.	I observed the signs of impending doom not because I was so much more perceptive than the others at the firm, but simply because I spent the most time with the man.	observed the signs of impending signs of impending doom not	-- --	So, because But,

		doom not because i was so much was so much more perceptive perceptive than the others at the others at the firm, " firm, but simply because i spent because i spent the most spent the most time with most time with the man.	So, because So -- -- But, because Because -- --	
07.	There was always another blockbuster case on the horizon that was bigger than the last.	blockbuster case on the horizon that was horizon that was bigger than the last.	-- --	-- --
08.	The late-night dinners in expensive French restaurants, smoking thick Cuban cigars and drinking cognac after cognac, had left him embarrassingly overweight.	" cognac, had left him embarrassingly	--	And,
09.	Where he would once dazzle all those present with an eloquent and airtight closing argument, he now droned on for hours, rambling about obscure cases that had little or no bearing on the matter before the Court.	dazzle all those present with with an eloquent and airtight now droned on for hours, obscure cases that had little or no bearing or no bearing on the matter before the court.	-- and now no, or no, or	and now no, or, would,
10.	He really saw himself as a force for good, an instrument for social improvement who could use his obvious gifts to help others.	really saw himself as a force " good, an instrument for social improvement who could use his obvious	Really -- Obvious, could	Really, Obvious, could
11.	This massive heart attack that brought the brilliant Julian Mantle back down to earth and reconnected him to his mortality.	this massive heart attack that brought attack that brought the brilliant mantle back down to earth and reconnected reconnected him to his mortality.	-- -- And --	-- -- And --

12.	Every time I dropped by, the nurses had been instructed to tell me that he was sleeping and could not be disturbed. He even refused to take my telephone calls.	" by, the nurses had been nurses had been instructed to tell instructed to tell me that he me that he was sleeping and could sleeping and could not be disturbed. he even refused to take my telephone	And, could And, could	And, could
13.	Once upon a time and a very good time it was there was a moocow coming down along the road and this moocow that was coming down along the road met a nicens little boy named baby tuckoo.	time and a very good time it good time it was there was was there was a moocow coming down along the road and this moocow moocow that was coming down along coming down along the road met nicens little boy named baby	And And	And
14.	Whether I shall turn out to be the hero of my own life, or whether that station will be held by anybody else, these pages must show.	shall turn out to be the hero be the hero of my hero of my own life, " life, or whether that station		Must, Or

		station will be held by anybody	Or	
15.	It was a wrong number that started it, the telephone ringing three times in the dead of night, and the voice on the other end asking for someone he was not.	was a wrong number that wrong number that started it, " it, the telephone ringing three ringing three times in the dead of night, " night, and the voice on the voice on the other end asking end asking for someone he for someone he was not.	And And	And
16.	I had the story, bit by bit, from various people, and, as generally happens in such cases, each time it was a different story.	" cases, each time it was a different story.	--	Generally, and
17.	He was an old man who fished alone in a skiff in the Gulf Stream and he had gone eighty-four days now without taking a fish.	was an old man who fished fished alone in a skiff skiff in the gulf stream and he stream and he had gone eighty-four now without taking a fish.	And And Now	And Now
18.	A story has no beginning or end; arbitrarily one chooses that moment of experience from which to look back or from which to look ahead.	story has no beginning or end; chooses that moment of experience	No, Or	No, Or

		moment of experience from which experience from which to look which to look back or or from which to look ahead.	Or Or	Or Or
19.	The human race, to which so many of my readers belong, has been playing at children's games from the beginning, and will probably do it till the end, which is a nuisance for the few people who grow up.	to which so many of my readers belong, " belong, has been playing at children's children s games from the beginning, " beginning, and will probably do it till the end, " end, which is a nuisance nuisance for the few people who grow up.	So And, probably	So, And, probably
20.	In the late summer of that year we lived in a house in a village that looked across the river and the plain to the mountains.	summer of that year we year we lived in a house in a village that looked that looked across the river and the plain to the	And	And

21.	Statistics recently released by the centre show that she was their most-improved pupil for both maths and science last year.	statistics recently released by the centre show centre show that she was their both maths and science last	And	And
22.	The top-achieving learners received results in the 90s and one pupil, MvuyisiNjenje, 17, from Attwell Madala High School in Mthatha, achieved 100% for maths.	received results in the 90s and madala high school in mthatha,	And	And
23.	The aim of both the core programmes is to help pupils from disadvantaged backgrounds obtain the marks they need to access higher education and to be successful in their studies.	aim of both the core programmes is to help pupils pupils from disadvantaged backgrounds obtain marks they need to access higher access higher education and to education and to be successful in their studies.	And And	And
24.	Teachers are trained on a device called the Gamma Tutor, which is used as a teaching assistant for the classroom. It is pocket-sized and can be connected to any digital device.	" tutor, which is used as is used as a teaching assistant for pocket-sized and can be connected can be connected to any digital	And, can And, can	And, can Can

			Can	
25.	The organization has also made strides in its Gaganyaan human spaceflight program, conducted critical tests for reusable launch vehicles, and expanded its satellite portfolio with missions like XPoSat and INSAT-3DS.	The organization has also made strides	--	Like, and
26.	However, despite these impressive accomplishments, India needs to work even more diligently to fully realize its potential in the space sector.	" accomplishments, india needs to work even more diligently to fully realize its its potential in the space sector.		
27.	The lack of a comprehensive regulatory framework and limited access to ISRO's facilities have hindered private sector growth.	framework and limited access to isro's	And	And
28.	Significant number of aerospace engineering graduates from top Indian institutes seek opportunities abroad or in other sectors.	number of aerospace engineering graduates opportunities abroad or in other sectors.	or	or
29.	While ISRO has a dedicated workforce, it struggles to compete with global tech giants and international space agencies in attracting and retaining specialized talent, particularly in emerging fields like artificial intelligence and quantum technologies applied to space.	ISRO has a dedicated workforce, " workforce it struggles to compete struggles to compete with global global tech giants and international in attracting and retaining specialized like artificial intelligence and quantum	And And And, Like	And, Like
30.	With their vast agricultural base, mineral wealth, and emerging industrial potential, the eastern states are poised to contribute			And,

	significantly to the country's development trajectory.	" potential, the eastern states are poised states are poised to contribute to contribute significantly to the country's		
31.	This underdevelopment has led to limited job opportunities in the formal sector and stunted economic diversification, forcing a large portion of the population to rely on low-productivity agricultural and informal sectors.	underdevelopment has led to limited job to limited job opportunities in the formal sector and forcing a large portion of the population to rely population to rely on low productivity	And And	And
32.	The agricultural sector's vulnerability to climate variations and market fluctuations further exacerbates economic instability.	sector's vulnerability to climate variations to climate variations and market	And	And
33.	High poverty rates have trapped large segments of the population in a cycle of low education, poor health, and limited economic opportunities, making it difficult to break out of intergenerational poverty.	trapped large segments of the population in a population in a cycle of low " opportunities, making it difficult to break difficult to break out of intergenerational	--	And,
34.	Despite legislative measures and growing awareness, the incidence of violence against women continues to be alarmingly high, as evidenced by the National Crime Records Bureau's annual reports.	" awareness, the incidence of violence incidence of violence against women continues women continues to be alarmingly	--	And,

		" high, as evidenced by the evidenced by the national crime records		
35.	For instance, the delay in the trial of Nirbhaya's case and the initial leniency towards the accused reflect systemic issues within law enforcement and the judiciary.	" instance, the delay in the delay in the trial of nirbhaya s nirbhaya s case and the initial leniency within law enforcement and the judiciary.	And And	And
36.	In cases where women are assaulted or raped, they often face stigma and blame from their communities or even from law enforcement agencies.	cases where women are assaulted communities or even from law even from law enforcement agencies.	or	And, or
37.	This system operates through an online EPR trading platform, where recyclers receive certificates for recycled plastic that can be purchased by companies falling short of their recycling targets.	operates through an online EPR plastic that can be purchased by companies companies falling short of their recycling	Can	Can
38.	While India has implemented various regulations to address plastic waste, enforcement remains a major challenge.	enforcement remains a major challenge.	--	--
39.	However, cities continue to face challenges such as poor governance, inadequate infrastructure, and insufficient services, although there are emerging signs of positive change.	"however, cities continue to face challenges such face challenges such as poor governance,	however	However, and,

		" services, although there are emerging		
40.	The heatwave particularly impacted construction activities in northern India, affecting cement and steel demand.	--	--	And,
41.	After about two decades of dependence on regional parties for support, the Centre now is being manned by a regime which has its own majority in the Lok Sabha and is in a position to assert itself.	about two decades of dependence decades of dependence on regional centre now is being manned being manned by a regime which regime which has its own majority own majority in the lok in the loksabha and is sabha and is in a position to assert itself.	Now And And	Now And
42.	Despite the fact that they have deployed similar anti-establishment, anti-globalisation language and egged each other on, their politics by its very nature is inward looking and domestically focussed.	despite the fact that they fact that they have deployed politics by its very nature is inward		And,
43.	It is not easy to fill the vacuum caused by the departure of a popular and charismatic leader.	is not easy to fill easy to fill the vacuum caused		And

		vacuum caused by the departure by the departure of a departure of a popular and charismatic	And	
44.	The enormity of the situation that we are in today does not seem to have mainly cropped up because of the enemies only from across the border but because of some native people as well who have from time to time been encouraging the enemies of the country from within and outside to create disruptions in order to promote self-interests.	enormity of the situation that we situation that we are in today does in today does not seem to have mainly cropped up because of the enemies only only from across the border but because border but because of some native native people as well who have from have from time to time been time been encouraging the enemies encouraging the enemies of the enemies of the country from within country from within and outside to	seem Because Because but because but because	seem Because But, And

			And	
45.	Then came silver coins. Paper bills were first used by the Chinese, who started carrying folded money during the Tang Dynasty, mostly in the form of privately issued bills of credit or exchange notes.	bills were first used by first used by the chinese, folded money during the tang " dynasty, mostly in the form of privately issued bills of credit or	or	or
46.	The greatness of Cho lies in the fact that despite his uncharitable and ruthless criticism of political leaders, he remained a good friend of all politicians irrespective of their affiliation.	Cho lies in the fact in the fact that despite fact that despite his uncharitable ruthless criticism of political leaders, " leaders, he remained a good remained a good friend of all politicians politicians irrespective of their affiliation.	--	And,

47.	Religion also teaches us that ultimately material success is fleeting, for worldly goods come and go.	also teaches us that ultimately worldly goods come and go.	And	And
48.	I struggle to find any references to a woman's ambition that is unconditionally laudatory, without any undertones of prejudice or censure.	I struggle to find any references woman s ambition that is unconditionally undertones of prejudice or censure.	That is or	That is or
49.	This study concludes that the authorities were portrayed as hurdles in the way of changes demanded by the ordinary folk.	this study concludes that the authorities were portrayed as hurdles in the way of changes changes demanded by the ordinary folk.	--	--
50.	In sorting titles and phrases alphabetically, articles are usually excluded from consideration, since being so common makes them more of a hindrance than a help in finding the desired item.	common makes them more of them more of a hindrance a help in finding the desired	--	So, and,
51.	In a decades-long effort, they successfully pushed government officials to allow higher education for women, although continual opposition sometimes limited or even reversed their successes.	pushed government officials to allow higher allow higher education for women, limited or even reversed their	or	Or,
52.	Additions to each of them should be specified in the edit summary so that visitors can easily browse the Page History to check on all the additions since the last look.	additions to each of them should of them should be specified		So, can

		be specified in the edit summary so that visitors can history to check on all check on all the additions additions since the last look.	So, can	
53.	If you choose to participate in the discussion process for promoting articles, it is very important that you know and understand the criteria for very good articles.	if you choose to participate choose to participate in the discussion process for " articles, it is very important that very important that you know and understand know and understand the criteria understand the criteria for very criteria for very good articles.	If And, know And, know	If, And, know
54.	Reviving that approach to content moderation offers Big Tech a path to legitimacy as public spaces.	reviving that approach to content tech a path to legitimacy	--	--
55.	Outside of the world of entertainment, there's also a man who loves to entertain, two people far too many saw as entertainment, and a man whose fall was very entertaining.	outside of the world of entertainment, there's also a man who loves man who loves to entertain, people far too many saw		And

		too many saw as entertainment, " entertainment, and a man whose fall	And	
56.	The cold passed reluctantly from the earth, and the retiring fogs revealed an army stretched out on the hills, resting.	army stretched out on the hills,	--	And,
57.	He was born with a gift of laughter and a sense that the world was mad.	with a gift of laughter gift of laughter and a laughter and a sense that the sense that the world was mad.	And And	And,
58.	The towers of Zenith aspired above the morning mist; austere towers of steel and cement and limestone, sturdy as cliffs and delicate as silver rods.	towers of steel and cement cliffs and delicate as silver	And And	And
59.	It was just noon that Sunday morning when the sheriff reached the jail with Lucas Beauchamp though the whole town had known since the night before that Lucas had killed a white man.	noon that sunday morning when sunday morning when the sheriff reached beauchamp though the whole town had town had known since the night before that lucas before that lucas had killed	--	Just

		lucas had killed a white man.		
60.	A dream, all a dream, that ends in nothing, and leaves the sleeper where he lay down, but I wish you to know that you inspired it.	" dream, that ends in nothing, " nothing, and leaves the sleeper sleeper where he lay down, " down, but i wish you to wish you to know that you inspired	and and But know	and But, know
61.	There are more things in Heaven and Earth, Horatio, than are dreamt of in your philosophy.	things in heaven and earth,	And	And
62.	Once upon a time there was a boy who loved a girl, and her laughter was a question he wanted to spend his whole life answering.	a time there was a boy who loved laughter was a question he wanted question he wanted to spend his whole spend his whole life answering.	--	And,
63.	She was becoming herself and daily casting aside that fictitious self which we assume like a garment with which to appear before the world.	self which we assume like assume like a garment with garment with which to appear which to appear before the world.	Like, assume Like, assume Appear Appear	Like, assume Appear, and,
64.	We cross our bridges as we come to them and burn them behind us, with nothing to show for our progress except a memory of the smell of smoke, and the presumption that once our eyes watered.	bridges as we come to them come to them and burn		And

		them and burn them behind " us, with nothing to show nothing to show for our progress except a memory of the smell of the smell of smoke, and the presumption that once our	And And And	
65.	There are darkneses in life and there are lights, and you are one of the lights, the light of all lights.	darkneses in life and there life and there are lights, " lights, and you are one you are one of the lights, " lights, the light of all lights.	And And And	And,
66.	I could hear the human noise we sat there making, not one of us moving, not even when the room went dark.	noise we sat there making, " making, not one of us moving, " moving, not even when the room went dark.	--	Could,
67.	I wondered if that was how forgiveness budded; not with the fanfare of epiphany, but with pain gathering its things, packing up, and slipping away unannounced in the middle of the night.	wondered if that was how forgiveness	If	If, But, and,

		budded; not with the fanfare with the fanfare of epiphany, " epiphany, but with pain gathering unannounced in the middle of the night.	But	
68.	One must be careful of books, and what is inside them, for words have the power to change us.	must be careful of books, " books, and what is inside them, words have the power to change us.	Must And	Must And
69.	I wanted you to see what real courage is, instead of getting the idea that courage is a man with a gun in his hand.	I wanted you to see you to see what real courage " is, instead of getting the idea getting the idea that courage idea that courage is a courage is a man with a gun in his hand.	--	--
70.	Life is to be lived, not controlled and humanity is won by continuing to play in face of certain defeat.	life is to be lived, " lived, not controlled and humanity humanity is won by continuing won by continuing to play continuing to play in face play in face of certain	And	And, certain

			certain	
71.	It is a truth universally acknowledged, that a single man in possession of a good fortune, must be in want of a wife.	" acknowledged, that a single man in possession man in possession of a possession of a good fortune, " fortune, must be in want be in want of a wife.	Must Must	Must
72.	Very few castaways can claim to have survived so long at sea as Mr. Patel, and none in the company of an adult Bengal tiger.	castaways can claim to have survived so long at sea as Mr.. "Patel, and none in the company of an company of an adult bengal	So, can And	So, can And
73.	He has put a knife on the things that held us together and we have fallen apart.	he has put a knife knife on the things that held held us together and we have fallen apart.	And	And
74.	The only people for me are the mad ones, the ones who are mad to live, mad to talk, mad to be saved, desirous of everything at the same time, the ones who never yawn or say a commonplace thing, but burn, burn, burn like fabulous yellow roman candles exploding like spiders across the stars.	only people for me are the mad " ones, the ones who are mad	For me	For me Say, or say, or, like ,but,

		" talk, mad to be saved, desirous of everything at the same time, " time, the ones who never yawn yawn or say a commonplace	say, or	
75.	The reasonable man adapts himself to the world: the unreasonable one persists in trying to adapt the world to himself.	adapts himself to the one persists in trying to adapt trying to adapt the world adapt the world to himself.	--	--
76.	Remember my friend, that knowledge is stronger than memory, and we should not trust the weaker.	" friend, that knowledge is stronger knowledge is stronger than memory, " memory, and we should not trust should not trust the weaker.	And	And
77.	If someone is able to show me that what I think or do is not right, I will happily change, for I seek the truth, by which no one was ever truly harmed.	someone is able to show able to show me that what me that what i think or or do is not right, " right, i will happily change,	Or, I think, think Or	Or, I think, think, No

		for i seek the truth, by which no one was ever truly	No	
78.	The loneliest moment in someone's life is when they are watching their whole world fall apart, and all they can do is stare blankly.	someone s life is when they are watching their watching their whole world fall " apart, and all they can do is stare blankly.	And, can	And, can
79.	No man, for any considerable period, can wear one face to himself and another to the multitude, without finally getting bewildered as to which may be the true.	" period, can wear one face face to himself and another himself and another to the multitude, getting bewildered as to which may to which may be the true.	Can And And May May, may be	Can And May, may be
80.	It matters not what someone is born, but what they grow to be.	not what someone is born, " born, but what they grow what they grow to be.	But	But

81.	Words spoken by an abusive father to his daughter, this first line is one of the most sinister and haunting in all of fiction.	abusive father to his daughter, first line is one of the most sinister and haunting in all of fiction	And And	And
82.	The snow in the mountains was melting and Bunny had been dead for several weeks before we came to understand the gravity of our situation.	snow in the mountains was melting bunny had been dead for several dead for several weeks before we weeks before we came to understand came to understand the gravity understand the gravity of our situation.	--	And,
83.	Novels that conclude with such gracefully calibrated language that we close the back cover and feel physically imprinted, as though the words were pressed into us by a weight we can hardly fathom.	language that we close the back close the back cover and " imprinted, as though the words though the words were pressed pressed into us by a weight weight we can hardly fathom.	And can	And, can, feel
84.	Although it inspired considerable condemnation at the time, it's now recognized as one of the earliest modernist novels and a foundational feminist text.	considerable condemnation at the time,		Now, And

		it s now recognized as one of the earliest modernist	Now	
		modernist novels and a foundational	And	
85.	We come to understand that animus slowly, as the story of a murdered baby moves backward and forward in time, before and after the Civil War.	come to understand that animus " slowly, as the story of a murdered baby moves backward and forward in " time, before and after the civil war.	And And	And,
86.	That final line, with its simple, imploring repetition, concludes the novel with just the right spirit of affirmation and regret.	concludes the novel with just novel with just the right spirit of	just just	Just, and,
87.	His mix of treacly self-pity, witty cynicism and clinical depression speaks for millions of lonely people forced to endure a world of phonies.	speaks for millions of lonely millions of lonely people forced endure a world of phonies.	--	And,
88.	Tortured by loneliness, the monster ultimately flees to the North Pole, and the doctor dies in pursuit. Knowing that the complex power of her book is already complete, the very ending offers a sigh of emotional relief.	flees to the north pole, " pole, and the doctor dies in pursuit.knowing that the complex power complex power of her book is already	And	And

		offers a sigh of emotional		
89.	Perhaps the greatest failure of American literature, which is so bravely explicit about all other aspects of life, is its nervous avoidance of anything explicitly religious.	greatest failure of american literature, " literature, which is so bravely about all other aspects of life,	so	So, explicitly
90.	Its final scene, the culmination of a relentless series of hardships, losses and deaths, offers a moment of startling compassion and intimacy, the very milk of human kindness made flesh.	" scene, the culmination of a relentless offers a moment of startling very milk of human kindness made	--	And,
91.	We know, he laments, that our first dreams can never be realized, but we can't help pining for them anyhow.	" laments, that our first dreams dreams can never be realized,	Can	But, Can, know,
92.	Lapsing into the bland objectivity of academia, the professor warns his fellow scholars to be "cautious about passing moral judgment upon the Gileadean.	professor warns his fellow scholars moral judgment upon the gileadean.	--	--
93.	It's possible to measure the weight of a novel by the size of its impact crater.	it s possible to measure the weight measure the weight of a novel by the novel by the size of its impact crater.	possible	possible
94.	Although she's still a teenager with a teenager's silly attitudes and interests, death has given her preternatural insight into the suffering of those she's left behind.	She's still a teenager with a " interests, death has given her preternatural preternatural insight into the suffering	--	And,

		into the suffering of those she s		
95.	The light of a single lamp brought into his dark parlor arrives like a foretaste of grace.	light of a single lamp brought lamp brought into his dark parlor like a foretaste of grace.	like	like
96.	Such is the effect of the last line of Eugenides's most recent novel, which seems in retrospect constructed to bring us directly to these three letters.	is the effect of the effect of the last line of eugenides s " novel, which seems in retrospect constructed to bring us directly directly to these three letters.	--	--
97.	His administration's unprecedented readiness to lie and to repeat lies aggressively reminds many readers of the Party that rules Oceania.	readiness to lie and to lie and to repeat lies aggressively many readers of the party that rules	And And	And,
98.	Each book ends with an echo of the first novel's last word, a subtle coda that ties together the stages of Rabbit's life.	with an echo of the echo of the first novel s together the stages of rabbit s	--	--
99.	At that moment, McCarthy suddenly breaks away from his characters and describes trout that once swam in mountain streams.	suddenly breaks away from his characters	--	and
100.	The chaos and disappointments of the preceding months have cured him of pointless fantasies, and he dismisses Brett's romantic speculation with this bitter rhetorical question.	disappointments of the preceding months	--	and