To Consider	Don't Consider	paperId corpus	lurl title	abstract y	ar ref	erenceCount c	itationCount influ	entialCita s2FieldsOfStudy publicationType	openAccessPdf.url	subquery
				Despite meent advances in natural language operations, it remains challenging to control attributes of generated text. We prospec EE.pectris Decoding time Experts, a decoding time method for controlled text generation had combined so perhadical engine model with "expert Like and/or with expert Like and/or with expert. Like and/or with expert Like and produced by the experts. Like and/or with expert Like and/or with expert Like and/or with experts. Like and/or with experts and or with experts. Like and with experts and or						
			DExperts: Decoding-Time Controll Text Generation with Experts and	by the experts, and unlikely by the anti-experts. We apply DExperts to language detoxification and sentiment-controlled generation, where we outperform existing controllable generation methods on both automatic						
		02/03348268045 235313	https://www.ser Experts	no. and numan evaluations. Moreover, decause Despets operates only on the output of the premaried LM, it is effective with (ami-jexpens of smaller size, including when operating on GP1-3. Our work nigningins the promise of furning small LMs on text with (unpotestable shift-butes for efficient decoding-limit estering.)	2021	48	90	26 [('category': 'Computer ['JournalArticle', '	https://aclanthology.org/2021	Paraphrase Natural Language Generation Language Model
				We propose fautar Discrimination for Generation (FUDGI), a finality and models method for controlled test generation, reflex a pre-existing model of the generating test from a distribution of interest. FUDGI enables controlled on a distribution of interest, and a final						
				enables conditioning on a desired attribute a (for example, formatity) while requiring access only to GS output logist, FUDGs: learns an attribute predictor operating on a partial sequence, and uses this predictor's outputs to adjust GS original probabilities. We show that FUDGS models terms corresponding to a Bayesian decomposition of the conditional distribution of G given attribute a. Moreover, FUDGS can easily						
	П		FUDGE: Controlled Text Generation	n compose predictors for multiple desired attributes. We evaluate FUDGE on three tasks — couplet completion in poetry, topic control in language generation, and formality change in machine translation — and observe caj	2021	40	91	22 [f'category': 'Computer [JournalArticle'. '		Paraphrase Language Model Bias Privacy Controllable Cr
~	ш	00048908090911 233210	Intos://www.sen with Future Discriminators	conserve gains in all tiree tasks.	2021	46	91	22 [{ category : Computer [Journal/Article ,	https://acianthology.org/202	Paraprirase Language Model Bias Privacy Controllable C
				Harman evaluations are hyrically considered the gold standard in natural language generation, but as models' futurely improves, how well can evaluations stelled and judge machine-generated test? We not a study assessing non-except daility to distinguish between humans and machine-suddhored test (PCP) and GPT3 in there domains (basic exercises and inches) evaluations clididinguished between GPT3-and human-authored test at anothen chance level. We epiders three approaches for quickly familiar evaluations to better identify GPT3-authored test (desirated instructions, annotated examples, and paider examples) and familiar hard hard level examples and paider examples and paider attained evaluations (SR), it d'on to displications) improve across the time domains. Grant the disch domains and the other contradictory reasons evaluations gave for their judgments, we examine the role untrained human evaluations play in NLG evaluation and provide recommendations to NLG researches for improving human evaluations of the generated from state of the est models.						
			All That's 'Human' Is Not Gold:	distinguished between GPT3- and human-authored text at random chance level. We explore three approaches for quickly training evaluators to better identify GPT3-authored text (detailed instructions, annotated examples, and naired examples) and find that while explanators in a requisitance in the property of the proper						
	П	a16ae67070de1f235694	Evaluating Human Evaluation of	offien contradictory reasons evaluators gave for their judgments, we examine the role untrained human evaluations play in NLG evaluation and provide recommendations to NLG researchers for improving human	2021		114			
	ш	a16ae67070de1t235694	https://www.seri Generated Text	evaluations of text generated from state-of-the-art models. Aspech-based senfiment anywhise (ABSA) has been extensively studied in recent years, which typically involves four fundamental sentiment elements, including the aspect category, aspect term, opinion term, and	2021	40	114	19 [['category: 'Computer [JournalArticle', '	https://acianthology.org/2021	Machine Paraphrase NLP Natural Language Generation I
				sentiment polarity. Existing studies usually consider the detection of partial sentiment polarity for the product of the partial sentiment polarity. Existing studies usually consider the detection of partial sentiment polarity. Existing studies usually consider the detection of partial sentiment polarity.						
				(ASQP) task, aiming to jointly detect all sentiment elements in quads for a given opinionated sentence, which can reveal a more comprehensive and complete aspect-level sentiment structure. We further propose a new Paraphrase modeling naturalism to reast the ASQP bask to a narraphrase moderation prompts of the propose of						
_			Aspect Sentiment Quad Prediction	Aspect-based sertiment analysis (ABSA) has been extensively studied in record years, which typically involves four fundamental sertiment elements, including the aspect category, support term, opinion term, and sentiment plantly. Exclaring studies usually consider the detection of partial sertiment enteries, instead or precision fig. but elements in more off. In this work with the complete aspect level sentiment desired. (ABSDP) state, aiming to jurity detect all sentiment desired used for a given opinionated sentence, which can reveal a more comprehensive and complete sentent studies. We then the propose a none! Paraphrase state for the ABCP beats to appartise generation (process). On the hard, the generation formational abouts soviety ABCP or been offer market, eliminating the potential sentence of the paraphrase precision (process). On the hard, the generation formational observations of the southern of the southern of the southern opinion of the process of the process of the paraphrase precision of the paraphrase precision of the process of the paraphrase precision of the process of the paraphrase process of the par						
		85241d5942966f 238259	https://www.sen Paraphrase Generation	benchmark datasets show the superiority of our proposed method and the capacity of cross-task transfer with the proposed unified Paraphrase modeling transework. Madana and leavage models are models are models and the capacity of cross-task transfer with the proposed unified Paraphrase modeling transework.	2021	42	43	16 [['category': 'Computer ['JournalArticle', '	https://aclanthology.org/2021	Paraphrase
				inductine the analysis induces an product in the initial aday much and grainmant in Ext. 30 minutes in the work of your ext. at a 1,202.7 has reported and conventional analysis and analysis between machine-authored (GPT-3) and human-authored withing. As errors in machine generations become ever subtlet and hander to spot, it poses a new challenge to the research community for						
				robust machine text evaluation. We propose a new framework called Scarecrow for scrutinizing machine text via crowd annotation. To support the broad range of real machine errors that can be identified by Issuencies the ten error categories of Scarecrow—such as redundancy commonsers errors, and incoherence—are identified through the several mounts of crowd annotation experienced without a redefined to						
			Is GPT-3 Text Indistinguishable fro	ontology. We then use Scarecrow to collect over 41k error spans in human-written and machine-generated paragraphs of English language news text. We isolate factors for detailed analysis, including parameter						
			Human Text? Scarecrow: A Framework for Scrutinizing Machin	benomma disastes show the superviety dour processe intension and one capacity of stosychast training with the projected unline Pragnitises more improved processes in the superview of the projected unline Pragnitises from the Community of the State of the Community of the State						
$\overline{\mathbf{v}}$		ab847321118de(247315	Framework for Scrutinizing Machin	capabilities have not, and that the choices of simple decoding hyperparameters can make remarkable differences on the perceived quality of machine text. We release our training material, annotation toolkit and dataset at his	2021	20	40	0 Feetense's Commuter Floridalitation's	https://polosthology.com/2021	Paraphrase NLP Language Model Bias Privacy Control
		abo4/3211100E(24/310	IIIDS//WWW.SCII IEM	colleges at the property of th	2021	39	40	9 (Category: Computer [Sournaivencie,	INDS.//acidiniology.org/2022	Parapiriase NCP Language Woder Bias Privacy Contro
				The nileston ingrovements trought about by drop representation learning and one sharing beforinges have led to large performance gains across doversteam NLP. Pl and Valors tasks. Multimodel modeling bedoringes and the other learning state of the other performance gains across doversteam NLP. Pl and Valors tasks. Multimodel modeling bedorings and the performance gains across or the other performance gains across the other facilities multimodel. multilingual learning, WIT is composed of a curried set of 3.7 million entity inch image lest examples with 1.5 million unique images across 160 Wilepedia languages. In size enables WIT to be used as a periaming indicate for multimodic models, as we show the state gain periaming or indicate the multimodic models, as we show the state gain periaming or indicate the multimodic models, as we show the state of 3.7 million entity in chimages with 1.5 million unique images across 160 Wilepedia languages in state of the state across a state of the state of th						
				Dataset to better tacitate multimodal, multilingual learning. Will is composed of a curated set of 37.5 million entity nich image-text examples with 11.5 million unique images across 108 Wikipedia languages. Its size enables WII to be used as a pretraining dataset for multimodal models, as we show when appoiled downstream tasks such as image-text retrieval. WIT has four main and unique advantages. First, WIT is the						
			MATE MENT OF THE PARTY TO A	largest multimodal dataset by the number of image-text examples by 3x (at the time of writing). Second, WIT is massively multilingual (first of its kind) with coverage over 100+ languages (each of which has at least						
			WIT: Wikipedia-based Image Text Dataset for Multimodal Multilingual	12A examples and provides cross-lingual texts for many images. Intro, will represents a more diverse set or concepts and real wond entities relative to what previous catastess cover. Lassy, will provides a very challenging real-world test set, as we empirically illustrate using an image-text retrival tasks as a mappile. WIT Datastest is available for download and use via a Creative Commons license here: https://github.						
	✓	98e565fa06f6c7t 232092	https://www.ser		2021	44	117	30 [['category': 'Computer ['JournalArticle', '	http://anxiv.org/pdf/2103.019	NLP Creative Training
				Large language models have led to remarkable progress on many NLP tasks, and researchers are turning to ever-darger text corpora to train them. Some of the largest corpora available are made by scraping significant potrons of the intermed, and are frequently introduced with only minimal documentation. In this work we provide some of the first documentation for the Colossal Clean Crawded Corpus, (C4). Raffel et al.,						
			December 1	significant protince of the internet, and are frequently inducted with only minimal documentation. In this work we provide some of the first documentation for the Colorsal Colors of Cased Colorsal Colors (Cased Colorsal						
			Documenting Large Webtext Corp A Case Study on the Colossal Cler	no. Identified the impact of the filters applied to create this dataset, we evaluate the text that was recovered, and show that blocklist filtering dispropriorabety removes lest from and absorber. The orderstand the impact of the filters applied to create this dataset, we evaluate the text that was recovered, and show that blocklist filtering disproportionately removes lest from and about minority.						
		1adadbfa95e43a 237568	https://www.sen Crawled Corpus	individuals. Finally, we conclude with some recommendations for how to created and document web-scale datasets from a scrape of the internet.	2021	79	107	7 [['category': 'Computer ['JournalArticle', '	https://aclanthology.org/2021	NLP
				Text generation has become one of the most important yet challenging tasks in natural language processing (NLP). The resurgence of deep learning						
				has greatly advanced this field by neural generation models, especially the paradigm of pretrained language models (PLMs). In this paper, we present						
				an overview of the major advances achieved in the topic of PLMs for text generation. As the preliminaries, we present the general task definition						
				and briefly describe the mainstream architectures of PLMs for text generation. As the core content, we discuss how to adapt existing PLMs to model						
			Pretrained Language Models for To	different input data and satisfy special properties in the generated text. We further summarize several important fine-funing strategies for text generation.						
$\overline{\mathbf{v}}$		d7a7ebd1565c37235125	https://www.seri Generation: A Survey		2021	244	68	6 [['category': 'Computer ['JournalArticle', '	https://www.ijcai.org/proceed	Paraphrase NLP Natural Language Generation Language
				Fastly we premi served south exhibits and under the state of the served south in the served so the served south in the served						
				convisiteam applications from conversation convisitation convisitation convisitation and convisitation applications from convisitation applications from convisitation con						
			BOLD: Dataset and Metrics for	domains: profession, gender, race, religion, and political ideology. We also propose new automated metrics for toxicity, psycholinguistic norms, and text gender polarity to measure social biases in open-ended text						
	_		Measuring Biases in Open-Ended	generation from multiple angles. An examination of text generated from tirele popular language models reveals is that the majority or these models exit activities angles. An examination of text generated from tirele popular language models reveals is that including the model of the majority of the majority or the maj						
~		ce3b364b7e635£231719	https://www.sen Language Generation	embedded prejudices.	2021	45	81	16 [['category': 'Computer ['JournalArticle', '	http://arxiv.org/pdf/2101.1171	Bias Automated Natural Language Generation Evaluation
				Natural language generation (NLG) spans a broad range of tasks, each of which serves for specific objectives and desires different properties of generated text. The complexity makes automatic evaluation of NLG particularly challenging. Previous work has broight procused on a sincle task and developed individual evaluation metrics based on specific intuitions. In this paper, we propose a unifying perspective based on the						
			Compression, Transduction, and Creation: A Unified Framework for Evaluating Natural Language	nature of information change in NLG tasks, including compression (e.g., summarization), transduction (e.g., text rewriting), and creation (e.g., dialog)Information alignment_ between input, context, and output text						
			Evaluating Natural Language	pays a common central role in characterizar pie generation. With automatic alignment prediction modes, we develop a taminy of interpretative ments in a re-suitable for evaluating key aspects or ownersh NLS tasks, offen without need of gold reference data. Experiments show the uniformly designed metrics achieve stronger or comparable correlations with human judgment compared to state-of-the-art metrics in each						
		43fae0a7af211df 237507	(https://www.serr Generation	Leading space personation (N.C.) passes a broad range of tables, each of which persons for specific delighter and desires different properties of generated text. The complexity makes automatic evaluation of N.C. passes (all properties of the personated text.) The complexity makes automatic evaluation of N.C. passes (all properties of the personated text.) The complexity makes automatic evaluation of N.C. passes, including compression (e.g., summarization), transduction (e.g., text receiving), and oreston (e.g., dislog). Information alignment, between input, context, and output text plays a common central ori on characteristicing the generation. While Juneational Enginement personation context, and output text plays a common central ori on characteristicing the generation. While Juneational Enginement personation context, and output text plays a common central ori on characteristicing the generation. While Juneational Enginement personations are context, and output text plays a common central ori on characteristicing the generation. While Juneation Enginement Compared to State of the end of the state of the state of the end of	2021	60	38	15 [('category': 'Computer ['JournalArticle', '	https://aclanthology.org/2021	Natural Language Generation Evaluation Metrics
				Recently, there has been an increasing number of efforts to infroduce models capable of generating natural language explanations (NLEs) for their predictions on vision-language (VL) tasks. Such models are appealing, because they can provide human-friendly and comprehensive explanations. However, there is a task of comparison between existing methods, which is due to a task of remarkation between existing methods. Which is due to a task of remarkation between existing methods which is due to a task of remarkation between existing methods.						
				and a scarcity of datasets. In this work, we introduce e-Vil. and e-SNLI-VE, e-Vil. is a benchmark for explainable vision-language tasks that establishes a unified evaluation framework and provides the first						
			e-ViL: A Dataset and Benchmark fr	resplanations. e-SNL1-Vis currently the largest existing VL dataset with NLEs (over 430k instance) we also propose a new model that combines UNITER [15], which learns joint embeddings of images and text,						
		1c30efe04394f3# 234338	Natural Language Explanations in https://www.ser/Vision-Language Tasks	or overte sace, recurring sex summarizanos, syste sersets, and converges grounded datage. Feeterslijk here has been an increasing resident of efforts in sortice modest capable of percentage pasted in project on the contraction of the contra	2021	61	43	13 [l'category: 'Computer l'JournalArticle'. '	http://apriv.org/pdf/2105.037/	Natural Language Generation
	-	1000000405410(204000	VINDE VINDE VINDE	We combine neural rendering with multi-modal image and text representations to synthesize diverse 3D objects solely from natural language descriptions. Our method. Dream Fields, can generate the geometry and	2021		40	To ((category: compater (sournarestote,	Chiparini Managapana (Carana)	National Europeage Octobron
				We combine neutral rendering with multi-modal image and text recrementation to synthesize deview 3D objects solely from neutral language descriptions. Our method, Dream Fields, can generate the generally and color of a visit enrange of objects without 3D appendance. Due to the executive of deview, can generate the generation as heartful of experience such as Shapphell intensity, executive and applications a neutral or descriptions a neutral or description and a service description						
			Zero-Shot Text-Guided Object	generation with image-lext models pre-trained on large datasets of captioned images from the web. Our method optimizes a Neural Hadiance Held from many camera wews so that rendered images score highly with a target caption according to a pre-trained CLIP model. To improve fidelity and visual quality, we inhouse simple geometric priors, including sparsity-inducing transmittance regularization, scene bounds, and						
	✓	03e1c3b5fdad9b; 244799	https://www.serr Generation with Dream Fields	new MLP architectures. In experiments, Dream Fields produce realistic, multi-view consistent object geometry and color from a variety of natural language captions.	2021	64	140	28 [('category': 'Computer ['JournalArticle', '	http://anxiv.org/pdf/2112.0145	Language Model
				Current dialogue summarization systems usually encode the text with a number of general semantic features (e.g., keywords and topics) to gain more powerful dialogue modeling capabilities. However, these features are published up one of the production to the features are published up to publish to post of the published to the published on the published to the pu						
			Language Model as an Annotator:	can be developed as an unsupervised dislogue annotator, which takes advantage of dislogue background knowledge encoded in DisloCPT. We apply DisloCPT to label three types of features on two dislogue						
$\overline{\mathbf{v}}$		f80b837a211f71c235196	Exploring DialoGPT for Dialogue	Current dislogue summarization systems usually encode the text with a number of general semantic features are obtained and topical to gain more powerful dislogue modeling capabilities. However, these features are obtained via open-downship to this that are dislog particle or hearly refer to human annotations. In this paper, we show to broudGPT, a per before for conventional repositions, can be developed as no resourced advances are notion, which takes softwaringed of addupe bedogrand knowledge encoded in Data-GPT We shy Table-Time 1 to be for the process generation, can be developed as no resourced. An extraction of the process	2021	47	42	13 [('category': 'Computer ['JournalArticle', '	https://aclanthology.org/2021	Language Model
				Image captioning has conventionally relied to reference-based advantation valuations, where machine captions are compared against captions written by humans. This is in contrast to the reference-been enumer in which humans assess caption, audits, in this pages veryer to pre-tempt in page caption pair in this makes caption pairs from the second mode presistance for images caption pairs from the web, can be used for robust advantation captions of maging captioning without the need for reference. Experiments against any served coproci elementation but not reference-level entering. CLL "Plactions, advantage in the caption of the cap						
				which humans assess caption quality. In this paper, we report the surprising empirical finding that CLIP (Raddord et al., 2021), a cross-modal model pretrained on 400M image+caption pairs from the web, can be used for robust automatic evaluation of image captioning without the pened for references. Experiments sourcein several corror demonstrate that gur prey references from activities. PLIPSyrvas achievant this highest						
				correlation with human judgements, outperforming existing reference-based metrics like CIDEr and SPICE. Information gain experiments demonstrate that CLIPScore, with its tight focus on images text compatibility.						
			CLIPScore: A Reference-free							
		38b0567e83386c233296	https://www.sen Evaluation Metric for Image Captic	ning inews captions that require richer contextual knowledge.	2021	75	190	56 [{'category': 'Computer ['JournalArticle', '	https://aclanthology.org/2021	Evaluation Metrics
				Factual consistency is an essential quality of text summarization models in practical settings. Existing work in evaluating this dimension can be broadly categorized into two lines of research, entailment-based and question asserting (DA)-based metrics, and different enterinental settings, offene lead in contrasting conclusions, as to which narration medicines he heal in this work, we conduct an extensive comparison of						
			OAFactFval: Improved OA-Rased	entailment and QA-based metrics, demonstrating that carefully choosing the components of a QA-based metric, especially question generation and answerability cassification, is cassification, is cassification, is cassification, is cassification and cassification of the components of a QA-based metric, especially question generation and answerability cassification is critical to performance. Building on						
			Factual Consistency Evaluation for	question answering (DA)-based metrics, and different experimental seeings of the load to contrasting conclusions as to shirth prantigin performs the best. In this work, we conduct an adventive comparison of estimatement and DA-based metrics, demonstrating that carefully choosing the components of a OA-based metric, demonstrating that carefully choosing the components of a OA-based metric, or description and answershild participate, to situate of the printing						
$\overline{\mathbf{v}}$		73401891d210bt 245218	https://www.seri Summarization	performance boost.	2021	56	49	18 [{'category': 'Computer ['JournalArticle', '	https://aclanthology.org/2022	Evaluation Metrics
				We present the vector quantized diffusion (VQ-Diffusion) model for text-to-image generation. This method is based on a vector quantized variational autoencoder (VQ-VAE) whose latent space is modeled by a conditional variant of the recently developed Deposition Diffusion Probabilishing in Probabilishing to Probabilishing Probabilishing in Probabilishing Probabilish						
				performance boost. We present the vector quantified diffusion (VLO Diffusion) model for beta durings generation. The method is based on a vector quantified contribution of the property of t						
				experiments show that the VVL-biffusion produces significantly better text-to-image generation results when compared with conventional autoregressive (AR) models with similar numbers of parameters. Compared with neverous GAN-based flext-to-image generation of parameters, compared with neverous GAN-based flext-to-image generations, our VVD-biffusion can handle more complete scenes and immunity the experiments when some imman suitable has been supported by the first support of the parameters.						
			Vector Quantized Diffusion Model	computation in our method can be made highly efficient by reparameterization. With traditional AR methods, the text-to-image generation time increases linearly with the output image resolution and hence is quite						
		194ea47df737ee 244714	Vector Quantized Diffusion Model: https://www.serr Text-to-Image Synthesis	As the consuming even not institute images. The VV-Unitusion around use images, and VV-Unitusion around use to accept a desert process or exercise quality and speed. Our experiments indicate that the VV-Unitusion model with the reparameterization is fifteen times faster than traditional AR methods while achieving a better image quality. The code and models are available at https://github.com/circle/quality/in/Unitusion.	2021	73	195	18 [('category': 'Computer ['JournalArticle', '	http://arxiv.org/pdf/2111_1482	Bias
				Abstract This paper contains prompts and model outputs that are offensive in nature. When trained on large, unfiltered crawls from the Internet, language models pick up and reproduce all kinds of undesirable						
				biases that can be found in the data. They often generate racist, sexist, violent, or otherwise toxic language. As large models require millions of training examples to achieve good performance, it is difficult to combelled you revent them from being exosped to such content. In this paper, we first demonstrate a surunising inc. Pretrained language models recognize, to a considerable decree, their undestrable biases and						
			Self-Diagnosis and Self-Debiasing	A the toxicity of the content they produce. We refer to this capability as self-diagnosis. Based on this finding, we then propose a decoding algorithm that, given only a textual description of the undesired behavior.						
$\overline{\mathbf{v}}$		ce9ca560363072232075	Proposal for Reducing Corpus-Bas https://www.seg Bias in NLP	considely present them from leving exposed is such content. In its paper, we first demonstrate a surprising finding: Pretrained language models recognize, to a considerable degree, their undestable language models recognize, to a considerable degree, their undestable language models recognized. The content hey produce, we refer to this capable, see find on this finding, we then propose a decording agreement than given only all description of the undestable blanks and in the propose and decording agreement than given only a description of the undestable description of the undestable blanks and in the propose and decording agreement than given on the propose and decording agreement than given on the propose and decording agreement than given that given the propose and decording agreement than given that given the given that given	2021	55	134	17 [('category': 'Computer ['JournalArticle']	https://direct.mit.edu/tacl/arti	Bias
				Recent text-to-image matching models apply contrastive learning to large corpora of uncurated pairs of images and sentences. While such models can provide a powerful score for matching and subsequent zero-				, , , , , , , , , , , , , , , , , , , ,		
				shot tasks, they are not capable of generating caption given an image. In this work, we repurpose such models to generate a descriptive text given an image at inference time, without any further training or tuning stem. This is drope by combining the visual-semantic model with a large learning or the prefit in from the knowledge in hoth web-acide models. The resulting reactions are made to the prefit in t						
			ZeroCap: Zero-Shot Image-to-Text Generation for Visual-Semantic	Recent lead-to image matching models agoly contrastive learning to large corpor of uncurated pairs of images and sentences. While such models can provide a governing score for matching and subsequent zero-short tasks, they are in capable of generating paction given among and images and provide an image and support to generate a description to give an image and image, without part training or turning step. This score by combining the visual sense; model with a large language model. Leverling for the foreviering in both we bead models. The resulting capations are most the sense for the sense of the						
П		a2502d2cd7144c244714	Generation for Visual-Semantic		2021	an	48	8 (Category: 'Computer Claurostaticle'	http://apriv.org/pdf/2111-1444	Paraphrase Language Model Bias Privacy Controllable
			Penning	Event extraction is challenging due to the complex structure of event records and the semantic gap between text and event. Traditional methods usually extract event records by decomposing the complex structure	AUA I	30		- Homegory . computer [sourlide fille]	CONTRACTOR PROPERTY LANGE	Language model Data 1 mack Collabilation
			Text2Event: Controllable Sequeno	prediction task into multiple subtasks. In this paper, we propose Text2Event, a sequence-to-structure generation paradigm that can directly extract events from the text in an end-to-end manner. Specifically, we						
			Structure Generation for End-to-er	Event activation is challenging dute to the complex schucker of event records and the semantic gap between text and event. Traditional methods usually service event records by decomposing the complex schucker prediction basis in unsufficient to implicate particulars. In the implication during schude prediction daring schude prediction during interactions are consciously executed event from the text or an end-best ordinative floopfectually, we seemed to execute the execution of						
	✓	a0c78661e4a521235458	https://www.seg Event Extraction	both supervised learning and transfer learning settings.	2021	57	112	39 [('category': 'Computer ['JournalArticle', '	https://aclanthology.org/2021	Controllable
				and the second s						
				responses. We propose uncrent evaluation measures to disental ignerates of responses by quantifying the informativeness and objectivity. At training time, additional inputs based on these						
	~	ad219f774290a1 235898	Increasing Faithfulness in Knowled Grounded Dialogue with Controllal	such system that is contributed to stay faithful to the recisione, clearing datasets contain a mix of conventational responses that are latiful to selected evidence as well as more subjective or dit chall system responses. Very process different evaluation measures to destinating here different evaluation of expenses by quartering the informativeness and objectivity. At transport, additional injust beared on these expenses are also an expense of the expenses				13 [['category': 'Computer ['JournalArticle', '		

South and an early or a property of the proper	Controllable Creative Machine Cost Text
The state of the property of t	Controllable Creative Machine Cost Text
The content of the	
The content of the	
The contract Contr	Model Evaluation Metrics Blas Privacy
The contract Contr	Model Evaluation Metrics Blas Privacy
Productive to the first and any design productive productive to the control of th	Model Evaluation Metrics Bias Privacy
10 September 19 Control of the contr	
The Court of As and a control of the	
The control of the co	
The control of the co	
Thirding fragulary and configuration of the configu	
The analysis of purposes interpretation of the purpose in the purpose of the purpose in the purpose of the purpose in the purpose of purpose in the purpose of the purpose in the purpose	Bias Privacy Creative Task Text Gene
The analysis of purposes interpretation of the purpose in the purpose of the purpose in the purpose of the purpose in the purpose of purpose in the purpose of the purpose in the purpose	
Code summatation and generation response (conversible between programmy language) (Fil.) and stated imaging model, which is actived as persion of the Fil. (Fil.) and the management of the Fil. (Fil.) and	e Generation Bias Privacy Controllable
Code summatation and generation response (conversible between programmy language) (Fil.) and stated imaging model, which is actived as persion of the Fil. (Fil.) and the management of the Fil. (Fil.) and	
Research to place the placetar and an extraction of the process of the placetary and process of the process of the placetary and process of the process of the placetary and process of the process of the placetary and process of the placetary and process of the placetary and process of the proces	
Accessed in thicking Task Dots at Scale with Treatment and Conference Confere	
Scaling Visial Literation in the material product for the description in the display of the display of the d	
Scaling Visital Litterion Membershy (Visit) for the operation of the control of t	
12	
12	
in this storic, we propose in establishment of the proposed in the storic designation with establishment of the proposed in the storic designation with establishment of the proposed in the storic designation with establishment of the proposed in the storic designation with establishment of the proposed in the storic designation with establishment of the proposed in the storic designation with establishment of the proposed in the storic designation with establishment of the proposed in the storic designation and storic desi	
in this storic, we propose in establishment of the proposed in the storic designation with establishment of the proposed in the storic designation with establishment of the proposed in the storic designation with establishment of the proposed in the storic designation with establishment of the proposed in the storic designation with establishment of the proposed in the storic designation with establishment of the proposed in the storic designation with establishment of the proposed in the storic designation and storic desi	
TURNOBENOHA Rendman.	
TURNOBENOHA Rendman.	
TURNINGENOTH A Benchmark TURNINGENOTH A BEN	
	reative Machine Detection Text General
Over it in place and missed or the clied analysis of the place and in your place and your place and your place and your place and you pl	
	Bias Privacy Controllable Creative M
Test generation has many designated advances in the last few years. Yet, evaluation metric have lapped before, as the most popular chances (e.g., BLLJ and ROULGE) may correlate growly with Thuman judgment. We propose BLEURT, a learning evaluation metric for Figinal Business and consideration metric for Figinal Business are considerated by the provision of the state of the provision of the provision of the state of the provision	
41 S	cs Bias Privacy Controllable Creative
We present To Tian connections that Significant Members and the Conference of Conferen	e Generation Bias Privacy Controllable
Places(t), large-scale or beined larguage models than demonstrated impressive performance on security performance or security grants and the production of t	, deficiation Data Firmary demonstration
CommorGen: A Constrained Teat	
45 United (Calcyury Computer Journal Communication Computer Comput	ontrollable Creative Task Text Generatio
Despite significant progress in text generation models, a serious limitation is their tendency to produce text that is factually inconsistent with information in the input. Recent use not have studied whether textual entailment systems can be used reliablement postule as independency are. Staffer than boung on aggregate decisions, we instead as whether the serious control of the staff in the	
de 3-ba456e68e 22291 https://www.bearborner.com/decades/fine	
authorizing to authorize the contractive for t	
The goal of lead-to-lest generation is to make machines express like a human in many applications such as conversation, summitation, and translation. It is one of the most important yet challenging places in natural language processing (N.P.) Vaccious neural recorded condects have been proposed to achieve the project sort of project possible states of the project possib	e Natural Language Generation Languaç
Incodedge-enhanced generation, in this suggested and competenties review of the research on this topic over the past five years. The main content includes two pasts; () general methods and A Survey of Knowledge-enhanced Text architecture for integrating incoveringes into late years. The main content includes two pasts; () general methods and A Survey of Knowledge-enhanced Text architectures for integrating incovering particular sections of the past five years. The main content includes two pasts; () general methods and A Survey of Knowledge-enhanced Text architectures for integrating incovering particular sections of the past five years. The main content includes two pasts; () general methods and A Survey of Knowledge-enhanced Text architectures for integrating particular sections of the past five years. The main content includes two pasts; () general methods and A Survey of Knowledge-enhanced Text architectures for integrating particular sections of the past five years. The main content includes two pasts; () general methods and A Survey of Knowledge-enhanced Text architectures for integrating particular sections of the past five years. The main content includes two pasts; () general methods and A Survey of Knowledge-enhanced Text architectures for integrating particular sections of the past five years. The past five years are past for integrating particular sections of the past five years. The past five years are past for years are past for years are past five years. The past five years are past five years. The past five years are past five years. The past five years are past five years are past five years. The past five years are past five years. The past five years are past five years. The past five years are past five years are past five years. The past five years are past five years are past five years. The past five years are past five years are past five years. The past five years are past five years are past five years. The past five years are past five years are past five years. The past five years ar	e Natural Language Generation Languag
We present the Language Interpretability Tool (LTD) an open-source platform for visualization and understanding of NIP models. We focus on core questions about model behavior. Why did my model make this	
prediction? When disease price femous and the state of th	

				Most greatly, there has been innificent interest in learning contentral progression for unique NI D tacks. Includes the learning contentral progression for the progre					
				Most exercity, there has been significant interest in itserring contentual representations for radious IRID tests, by fewerships larger scale best oursports to brain powerful larguage, models with self-seponted larguage models with self-seponted larguage models when they are special on the test locks, exements, parsers fail to desired the column mentions in the ulterances, to like the column mentions from the cell values, and to compose larger SSU, queries when they are complex. To mitigate these issues, we present a model pretraining cells affect of the column mentions of many larger self-self-self-self-self-self-self-self-					
			Learning Contextual R for Semantic Parsing w	entations framework. Generation-Augmented Pre-training (GAP), that jointly learns representations of natural language utlerance and table schemas. by leveraging generation models to generate high-quality pre-train data.					
48		✓	c75a2ee17056d22293311 https://www.serr Augmented Pre-Trainin	that leverage GAP Model as a representation encoder obtain new state-of-the-art results on both Spider and Criteria-to-SOL benchmarks.	2020	48	64 12 [('category': 'Computer ['JournalArticle', '	https://ojs.aaai.org/index.php	NLP
				Mactine Learning has seen tremendous growth recently, which has led to a larger adaptation of ML systems for educational assessments, credit risk, healthcare, employment, criminal justice, to name a few. The trustworthiness of ML and NLP systems is a crucial aspect and requires a guarantee with the decisions here make set for and orbox. Aligned with his, we propose a novel framework GVC, to generate a set of exhaustive counterfactual set, and an accurate for setting these ML systems, or a crucial property of the present a counterfactual set, and that are crucial for setting these ML systems, or an accordance of the systems of th					
			Generate Your Counte	exhaustive counterfactual text, which are crucial for tesing mess full, systems. Our man combinions include a) yet entroduce GTC, a transvervix to generate counterfactual state plausible, diverse, goal-oriented, and effective, b) the generate counterfactual samples that can direct the generation towards a corresponding lextiticondition) such as named—entity tag, semantic role label, or plausible, diverse, goal-oriented, and effective, b) the generate counterfactual samples, that can direct the generation towards a corresponding lextiticondition) such as named—entity tag, semantic role label, or					
49	ightharpoons		Towards Controlled Co 03031d20494b9€ 228063€ https://www.seri Generation for Text		2020	44	48 9 [['category': 'Computer ['JournalArticle', '	https://ojs.aaai.org/index.php	NLP Machine
			Massive Choice, Ample (MaChAmp): A Toolkit 1 11ab5cc2f119d3 2191244 https://www.seri_Learning in NLP	Transfer learning, particularly approaches that combine multi-task learning with pre-trained contextualized embeddings and fine-tuning, have advanced the field of Natural Language Processing temendously in exert years. In this paper we present MaCNAvn, a toolk for easy fine-haring of contextualized embeddings in multi-task settings. The benefit of MaCNAvn are to facility consignation options, and the support of a variety of final language processing basis in a uniform book, from text disastiction and exquence foreign to despendency parking makedul anguage modeling, and text generation.					
50	$\overline{\mathbf{Z}}$		11ab5cc2f119d3 219124 https://www.seri Learning in NLP	a variety of natural language processing tasks in a uniform tookil, from the classification and sequence of the control of the	2020	197	60 8 [('category': 'Computer ['JournalArticle', '	https://aclanthology.org/2021	NLP
				Means and all language granted on ML () model there recently about recently about means that progress in flamory period returners, in bloom of the progress of					
				can be logically entailed by the facts in an open-domain semi-structured table. To facilitate the study of the proposed logical NLC problem, we use the existing TabFact dataset-(CITATION) featured with a wide range of logical/symbolic inferences as our testbed, and propose new sutomasis metrics to evaluate the fidelity of generation models w.r.t. logical inference. The new tasks poses challenges to the existing monotonic					
				generation frameworks due to the mismatch between sequence order and logical order. In our experiments, we comprehensively survey different generation architectures (LSTM, Transformer, Pre-Trained LM) trained with different aboorthins (EL, Adversarial Trainino, Coarse-to-Fine) on the dataset and made following observations: 1 Pre-Trained LM can significantly boost both the fluency and logical fieldly writers. 2)					
51	$\overline{\mathbf{v}}$	П	Logical Natural Langua 342ec2f1c1b3d2i 216056f.https://www.senffrom Open-Domain Tal	nerention RL and Adversarial Training are trading fluency for fidelity, 3) Coarse-to-Fine generation can help partially alleviate the fidelity issue while maintaining high language fluency. The code and data are available at https://github.com/wenthubcent/Logis/NLD.	2020	48	97 39 [['category': 'Computer ['JournalArticle', '	https://www.aclweb.org/anthi	Natural Language Generation
	_			Date to least generation has recenfy attracted solutional interests due to its wide applications. Existing methods have shown impressive performance on an entry of tasks. However, they yo as significant amount of bladed date for each stack, which is costly is ougained and have limited by explacation for own sets and ordenatis. In this pear, we propose to leverage per-tempining and transfer fearming to address this assets. We propose a knowledge-grounded pre-taming of Moral Port of the pre-taming and started the pre-taming to address the same state. We propose a knowledge-grounded pre-taming (MCPI), which consists of the opasts. 1) a general knowledge-grounded pre-tempining and started fearming to address the same pre-taming and started fearming to address the same pre-taming and started to a started the same pre-taming and started to a started the same pre-taming and started to a started the same pre-taming and s					
				amount or salesed data for each task, which is cossy to adquise and trus limits their application to new tasks and outmains. In this paper, we propose to severage pre-training and transfer learning to accress this issue. We propose a knowledge-grounded pre-training (KGPT), which consists of two parts, 1) a general knowledge-grounded or generation knowledge-entrolled beneared knowledge-entrolled text. 2) a pre-training paradigm on a					
				massive knowledge-grounded text corpus crawled from the web. The pre-trained model can be line-turned on valous data-to-text generation tasks to generate task-specific text. We adopt three settings, namely fully-supervised, zero-shot, few-shot to evaluate its effectiveness. Under the fully-supervised setting, our model without					
52	ightharpoons		KGPT: Knowledge-Gro 8f33bd4e62955f4222141f.https://www.sen Training for Data-to-Te-	Pre- seeing any examples achieves over 30 HCUGs-L on WebNLG white all other baselines tail. Under the tew-shot stepting, our model only needs about one-lifteenth as many labeled examples to achieve the same leretation level of performance as baseline models. These experiments consistently prove the strong generalization ability of our proposed framework this https URL.	2020	56	80 26 [['category': 'Computer ['JournalArticle', '	https://www.aclweb.org/anthi	Natural Language Generation Language Model Task Training Text Ge
				targe-scale pre-based paragrages as between modes. It make a department contributing provide in strong permananon assity of our proposes trainments in single Linea. Language scale pre-based paragrages and contribution of the					
				hard-constrained text generation. The proposed method operates by progressively inserting new tookens between existing tokens in a parallel manner. This procedure is recursively applied until a sequence is recursively experienced and the proposed processing tokens are proposed processing tokens and a 1908. Moreover, and a 1909 tokens are considered to the proposed propo					
			POINTER: Constrainer	gressive dataset, and fine-tune it on downstream hard-constrained generation tasks. Non-autoregressive decoding yields an empirically logarithmic time complexity during inference time. Experimental results on both News behaved an experimental experimental results on both News behaved and experimental results on both News behaved and experimental results on both News behaved and the contract order to be first their time of the contract order to be first their time.					
53	$\overline{\mathbf{Z}}$		Text Generation via Ins deb33c9f91a850 226604 https://www.seri Generative Pre-training	URL).	2020	56	49 14 [['category': 'Computer ['JournalArticle', '	https://www.aclweb.org/anthi	Natural Language Generation Language Model Training Text Generation
				Text generation from a knowledge base aims to translate knowledge triples to natural language descriptions. Most existing methods ignore the faithfulness between a generated text description and the original table, leading to generated information that goes beyond the content of the table. In this paper, for the first time, we propose a novel Transformer-based generation framework to achieve the goal. The core					
	_		Towards Faithful Neura Generation with Conte						
54	✓		29e86cbeacf1e2:218487; https://www.serr Constraints	evaluations show that our framework can significantly outperform state-of-the-art by a large margin.	2020	40	53 17 [('category': 'Computer ['JournalArticle', '	https://www.aclweb.org/anthi	Language Model Text Generation (None)
			Knowledge Graph Bas Corpus Generation for Enhanced Language N	Prior work no Data To-Fast Centeration, he basis of convention successor or early or a sign insugar. Prior work no Data To-Fast Centeration, he basis of convention provides group for ly lipse aim natural lext, floured on domain-specific benchmark datasets. In this paper, however, we verbalize the erritire English Wilddate XC, and discuss the unique challenges associated with a broad, open-domain, large-scale verbalization. We further show that verbalizing a compenhensive, employed KC like Wilddate XC and discuss the unique challenges associated with a broad, open-domain, large-scale verbalization. We further show bursters on a september of the Vision of the state of the second of the verbalization of the Vision of the V					
-	п	F72	Corpus Generation for Enhanced Language N b360427d099114225067(https://www.sentraining	Pre- be seamlessly integrated into existing language models. It carries the further advantages of improved factual accuracy and reduced looking in the resulting language model. We evaluate this approach by	2020	£1	09 10 Contago / Computer Ch.	https://ecleatheless.co.	Language Model
55		M	b360427d099114225067(https://www.ser/training	augmenting the retireval corpus in a retireval singulage model and showing significant improvements on the knowledge intensive tasks of open domain LNA and the LAMA knowledge probe. Abstract Meaning Representations (AMRA) are broad-overage sentence-level exemunic graphs. Existing approaches to generating test form-MAK have focused on harining sequence-to-secuence or araph-to-	2020	51	98 16 [['category': 'Computer ['JournalArticle', '	https://acianthology.org/2021	Language Model
			GPT-top: A Language-	Address Maning Representations (AMRs) are broad-coverage settlence-level serunitic graphs. Estiting approaches to generating test from AMRs have focused on thining sequence-to-enquience or graph be-sequence-notion on AMR andressed and only. In this gave, we reproce as in alternative approach that contines a strong pre-limited imaginage model with considerably assessment considerably assessment considerably assessment processed and a strong processed processed and a strong processed processed processed and a strong processed p					
56	✓		GPT-too: A Language- 72ccc300dd13d1 2186845 https://www.seq Approach for AMR-to-1	eneration standard evaluation metrics, we provide human evaluation experiments that further substantiate the strength of our approach.	2020	35	73 15 [('category': 'Computer ['JournalArticle', '	https://www.aclweb.org/anthr	Language Model Evaluation Metrics Training Text Generation (None)
				It is well from that the dataset learned in the case provider for the intervention requirements and the description of the case of the cas					
				occurrent. we consucted a single scare numan evaluation of several neural abstractive summarization systems to better understand the types of hatlucinations they produce. Our human annotators found substantial amounts of hallucinated content in all model generated summariaes. However, our analysis does show that preferred models are better summarizes not only in terms of raw metics, i.e., ROUGE, but also in					
57	ightharpoons		On Faithfulness and Fi dbeeca8466e0c1218487(https://www.sen Abstractive Summariza	ity in generating faithful and factual summaries as evaluated by humans. Furthermore, we show that textual entailment measures better correlate with faithfulness than standard metrics, potentially leading the way to automatic evaluation metrics as well as training and decoding criteria.	2020	59	150 90 [['category': 'Computer ['JournalArticle', '	https://www.aclweb.org/anthi	Evaluation Metrics
				Abstract the scalinity of comprehensive up-to-date studies on evaluation mentions for the studies on evaluation mentions and the tack of consensus regarding evaluation protocols continue to innitio progress, we aboress the existing enterprising evaluation matrix in a comprehensive and considerated feature upon natural external evaluation matrix in a comprehensive and considerated feature upon natural external evaluation.					
				outputs along with expert and crowd-sourced human annotations; 2) we consistently benchmark 23 recent summarization models using the aforementioned automatic evaluation metrics; 3) we assemble the largest outputs along with expert and crowd-sourced human annotations; 2) we consistently benchmark 23 recent summarization models using the aforementioned automatic evaluation metrics; 3) we assemble the largest					
			SummEval: Re-evalua	contection summarize generalize ory modes variance on size criver brayean investigation and state of automatic medical contection of a content of a					
58	$\overline{\mathbf{Z}}$		781b9a445d187{ 220768{ https://www.sen Summarization Evalua	generated summaries on the UNIVILIARY Mail adiaset annotated by comexpert judges and control extrol extrol extract when the promote a more complete evaluation protocol for ext. summarization as well as advance research in developing evaluation metrics that better correlate with horizontal judgments.	2020	83	249 62 [['category': 'Computer ['JournalArticle']	https://direct.mit.edu/tacl/arti	Evaluation Metrics
				Automatical evaluation metrics as a stand-in for manual evaluation are an essensial part of the development or text-generation tasks such as text summarization. However, while the neion has progressed, our standard metrics have not in chine new 2001 from the progressed, our standard metrics have not in chine new 2001 from the progressed, our standard metrics have not in chine new 2001 from the progressed, our standard metrics have not in chine new 2001 from the progressed, our standard metrics have not in chine new 2001 from the progressed, our standard metrics have not in the progressed and the					
59	✓		Re-evaluating Evaluati e58edbeb41f3d2 222341{ https://www.serr.Summarization	Text summarization: assessing the reliability of automatic metrics using top-scoring system outputs, both abstractive and extractive, or recently popular datasets for both system-level and summary-level evaluation set of the production of the pro	2020	57	97 25 [['category': 'Computer ['JournalArticle', '	https://www.aclweb.org/anthi	Evaluation Metrics Automated
	_			While large scale language modes (July) are selled in initial as the distribution of material language, and enough to generate metallic such 1, it is disturbly become the processe desired and the processes of t					
				especially procedured to execute catassets used for framing single. Livis usually contain significant toxicity, have, case, sino negativity, viet procedured cut contained to execute catassets used for framing single. Livis usually contain significant toxicity, have, case, sino negativity, viet procedured cut contained to single sent single single single sent single single single sent single					
				by normalizing over two class-contained assistantial research and the desired attraction, or control code, and another controllating knowledge or anticontrol code. We find mat Get up desired attraction, or control code, and another controllating knowledge or anticontrol code. We find mat Get up desired attraction or an order controllating knowledge or anticontrol code. We find mat Get up desired attraction or an order controllating knowledge or an order cont					
60	ightharpoons		07bcda1dff9bb6{ 221655(https://www.sert Sequence Generation	tor Guided zero-shot from just a Keyword, unlocking a new capability that previous controllable generation method so do not have. Lastly, we show that GebL can make GP1-2 (1.58 parameters) significantly less toxic without scriffing linguistic quality, making it by far the most practical existing method for detoxifying larger language models white maintaining a fast generation speed, generation speed.	2020	63	187 51 [['category': 'Computer ['JournalArticle', '	https://aclanthology.org/2021	Bias Controllable
				Multimodal summarization with multimodal output (MSMO) is to generate a multimodal summary for a multimodal news report, which has been proven to effectively improve users' satisfaction. The existing MSMO methods are trained by the travet of text modal/tw. leading to the modal/tw. leading to the modal/tw. leading to been more summarized to increase a multimodal objective					
				function with the guidance of multimodal reference to use the loss from the summary generation and the image selection. Due to the lack of multimodal reference data, we present two strategies, i.e., ROUGE- ranking and Orde-praction to nonstruct the multimodal reference by extending the text preference. Meanwhile multimodal united, we promote a more levelution metric beaved on joint multimodal					
61		~	Multimodal Summariza d82038498cae2c214273thttps://www.serr Guidance of Multimodal		2020	25	56 14 [('category': 'Computer ['JournalArticle', '	httne://nie aasi nm/index nhr	Dise
0.			dozoo-socializa i rezioni independina dei documento de manimode	Cognitive best generation man by graphs best data in Internation of the executive production of the contractive of the contract	2020	20	to (Calegory Computer (Southerwise)	III,0223Q23MBI3IQ1IBASQIS	Old S
				pretraining strategies for PLMs in graph-to-text generation. We present a study across three graph domains: meaning representations, Wispedia knowledge graphs (KGs) and scientific KGs. We show that approaches based on PLMs BART and TS achieve new state-of-the-art fesults and that task-adaptive princing strategies improve their performance even further. We report new state-of-the-art flexible scores of					
	_	_	Investigating Pretraine 19af8292ff3cc10; 220548 <u>https://www.seq</u> Models for Graph-to-Te	49.72 on AMR-LDC2017T10, 59.70 on WebNLC, and 25.80 on AGENDA datasets - a relative improvement of 31.8%, 4.5%, and 42.4%, respectively, with our models generating significantly more fluent texts than guaran references. In an extensive analysis, we identify possible reasons for the PLMs success on graph-to-cleat tasks. Our findings suggest that the PLMs benefit from similar facts seen during pretaining or fine-					
62	✓		19af8292ff3cc10; 2205464 https://www.sen Models for Graph-to-Te	tuning, such that they perform well even when the input graph is reduced to a simple bag of node and edge labels. Machine fearning (MLI) has made fremendous morroses during the sast decided and is being and anothed in various critical real-world anniforations. However, except research has shown that MI models are vulnerable to	2020	70	118 28 [('category': 'Computer ['JournalArticle']	https://aclanthology.org/2021	Privacy Task Text Generation (None)
				multiple security and privacy attacks. In particular, backdoor attacks against ML models have recently raised a lot of awareness. A successful backdoor attack can cause severe consequences, such as allowing an subject to the control of the contro					
				baddoor detection mechanisms. In this paper, we propose the first class of dynamic baddooring techniques against deep neural relevants (DNN), namely flander Baddoor (BaN), and the current baddooring techniques against deep neural relevants (BaN).					
				particular, BaN and c-BaN based on a novel eperative network are the first to exheme strial apportinitization patients and iocasions, which reduce the emissay or the current coacidor defection metalinisms. In particular, BaN and c-BaN based on a novel eperative network are the first to exheme strial apportinitization patients and iocasions, which reduces the emissay or the current coacidor defection metalinisms. In particular, BaN and c-BaN based on a novel eperative network are the first to exheme strial apportinitization patients and include the current coacidor defection metalinisms. In					
		П	Dynamic Backdoor Att. 685b27cf6dc891;2126334 https://www.serr Machine Learning Mod						24
63	✓		685b27cf8dc891i2126334 https://www.sen Machine Learning Mod	recnniques can oppass current sate-on-me-art defense mechanisms against backdoor attacks, including Ask, Februar, MN ILD, Neural Cleanse, and S IRIP. Pretained neural language models (LM) are prone to generating reads; sexist, or otherwise toxic language with in thindres their sade deployment. We investigate the extent to which pretrained LMs can be promoted in the contract of th	2020	68	142 10 [['category': 'Computer ['JournalArticle']	nmp://arxiv.org/pdt/2003.036	Privacy
				to generate toxic language, and the effectiveness of controllable text generation algorithms at preventing such toxic degeneration. We create and release Real ToxicityPrompts, a dataset of 100K naturally occurring, sentence-level prompts derived from a time or copies of English web text, paired with toxicity scores from a wider-used toxicity classifier. Using RealToxicityPrompts, we first that pretrained IME are networked to the control of the control					
			RealToxicityPromote: E	toxic text even from seemingly innocurus prompts. We empirically assess several controllable generation methods, and find that while data or compute-intensive methods (e.g., adaptive pertaining on non-boxic that data) are more effective at algering away from positivit than simpler souldoing (e.g., a banning "add"), and a series of the source of the s					
64	✓	П	RealToxicityPrompts: E Neural Toxic Degenera 399e7d8129c60£221878i https://www.serr Language Models		2020	87	80 [['category': 'Computer ['JournalArticle']	https://www.actweb.org/softw	Controllable
04	-		and a second sec	Disc collect. Lut wisk provides a lest each for evaluating loss personances by clue and services and execute processors of the provided of the	2020	-	to the state of the state o		
				occument or text, and answering questions related to it. Due to the tack of benchmark datasets for Verbrainness, we present the Verbrainness Question Answering Dataset (UTI-VQuAD), a new dataset for the low-resource language as Verbrainness to ever a local text of the low-resource language as Verbrainness to ever a local text of the low-resource language as Verbrainness to ever a local text of the low-resource language as Verbrainness to ever a local text of the low-resource language as Verbrainness exist of the low-resource language as Verbrainness exists and the Verbrainness exists and the low-resource language as Verbrainnes					
				particular, we propose a new process of dataset creation for Vietnamese MRC. Our in-depth analyses illustrate that our dataset requires abilities beyond simple reasoning like word matching and demands complicate reasoning such as single-sentence and multiple-sentence inferencese. Besides, we conduct experiments to not state-of-the-art MRC methods is registal and Chinese as the first experimental models on UTI-					
		_	A Vietnamese Dataset	VICUAU, which will be compared to further models. We also estimate human performances on the dataset and compare it to the experimental results of several powerful machine models. As a result, the substantial gifferences between humans and the best model performances on the dataset indicate that improvements can be explored on UTF-VICUAU through future research. Our datasets is freely available to encourage the					
65		✓	109b0f028ff313ff 222066f https://www.serr Machine Reading Com	research community to overcome challenges in Vetramese MRC. The ability to ask questions is important in both human and machine intelligence. Learning to ask questions before the contact on a contact of the contact o	2020	33	29 6 [('category': 'Computer ['JournalArticle', '	https://www.aclweb.org/anthi	Controllable Creative Machine Task Machine Generated Text (None)
				and helps a chalbot to keep the conversation flowing with a human. Existing question generated text,					
				automatically generating high-quality and overse question-answer pairs from unlabeled lext corpus at scale by imitating the way a human asks questions. Our system consists of joint information of the pairs of the					
				members under gypes or assistance information, and it is a restant quality controller, which removes to overall perfect data based on total relationship of the controller question generated with extension controllation quality controller, which removes to overall perfect to the controller question generated under some controllation of the controller question generated with existing approaches and reservoir to voluntary information, and it is a restant quality controller, which removes to overall quality controller, which removes to overall quality controllers with controllers and the controllers are controllers are controllers and the controllers are controllers are controllers and the controllers are controllers.					
	\sim	П	Asking Questions the I Scalable Question-Ans da5d843f8ba411 211010 https://www.seri.from.Text.Corpus	differences between humans and the best model performances on the distance induction that increases and the performances on the distance induction that is a construction of the performance of the distance induction that is a construction of the performance of the distance induction of the performance in the performa	0000				O THE STATE OF THE
66	~		gapgo43r8ga411 211010t https://www.seg from fext Corpus	sentences found in Wikipedia. Text generative models (TGMs) excel in producing text that matches the style of human language reasonably well. Such TGMs can be misused by adversaries, e.g., by automatically generating fake news and fake	2020	54	57 11 [{category': 'Computer [Book', 'JournalA	nmp://anxiv.org/pdt/2002.0074	Controllable Machine
				product reviews that can look authentic and fool humans. Detectors that can distinguish text generated by YEM from human written text play a vital role in mitigating such misuse of TGMs. Recently, there has been a furry of works from both natural almouse processing NLP1 and machine learning (MIL communities to build accurate detectors for Fonish. Desoite the immortance of this problem there is currently no work that					
67		П	Automatic Detection of 9438bc5626b2df 226237(https://www.serr Generated Text: A Criti	ine surveys this fast-growing literature and introduces newcomers to important research challenges. In this work, we fill this void by providing a critical survey and review of this literature to facilitate a comprehensive universe understanding of this ordiner. We continue that the continue that th	2020	52	59 5 (Category: 'Computer (JournalArticle')	https://www.aclweb.orn/anthi	Paraphrase NLP Natural Language Generation Language Model Bias
0.1			TOTAL PLANTS	Significance Automated speech ecognition (ASR) systems are now used in a variety of applications to convert spoken language to leaf, from virtual assistants, to closed captioning, to hands-free computing. By			The state of the s		, , , , , , , , , , , , , , , , , , ,
				www.y-up a way word of a continguate, into verso was was and variant research appeared, we understand large facility appeared in the perioritance of two popular commercial ASK systems. Our results point to hundred faced by Aftican Americans in uniqui priorizatingly discharged tools driven by speech recognition technology. More generally, our work illustrates the meet ob audit energing machine-learning systems to					
				crision is very are unwary invarient. Private invarient specific popular vision in the control of the control o					
				improves, oue own to asswances in deep learning and to the collection of large-scale datasets used to train the systems. There is concern, however, that these looks do not work equally well for all subgroups of the population. Here, we examine the ability of the state-of-the-art ASR systems—developed by Amazon, Apple, Google, BIM, and Microsoft—to transcribe structured interviews conducted with 42 with speakers and					
				(73 black speakers. In total, this corpus spans five US cities and consists of 19,8 h of audio matched on the sape and gender of the speaker. We found that all five ASR systems exhibited substantial racial disparities, with an average word error rate (WER) of 0.35 for black speakers compared with 0.19 for white Speakers. We trace these disparities to the underlying acoustic models used by the ASR systems as the race gap was					
68			Racial disparities in au 219b7266ae848(214630(https://www.seri recognition	understanding of this problem. We conduct an in-depth error analysis of the state of the-star detector and discuss research directions to guide future with in the scotling area. Significance Authorized speech recognition (ASR) systems are now used in a simply of application to convert speech imaginary be to be found assistants. It is obsequently a single copysis of accordinguistic interviews with white and African American speeches, we demonstrate large ratio dispatrates in the profession of the convertion of the properties of the problems of the properties with a single company of a single copysis of accordinguistic interviews with white and African American speeches, we demonstrate large ratio dispatrates in the profession of the properties of the propert	2020	38	273 26 [['category': 'Computer ['JournalArticle']	https://www.pnas.org/conten	Automated

				End-to-end neural data-to-lest (ICIT) generation has recertly emerged as an alternative to pipeline-based strictlectures. However, it has based challenges generating to new domains and generating semantically consistent lest, in this work, we present Data Titure, a reuse, and the ord data-better generation system that makes minimal assumptions about the data experientation and large domain. We take a two-datage consistent lest, in this work, we present Data Titure, a reuse of the data treatment of the present part of the data treatment of the present part of the data treatment of the present part of the data treatment of the ant results on another denters across one unargo OT distances (DCCQVITT), Well-Morry assessed by Generation, human amodations as nearing or exceeding the human-written reference lests. Our generated lest has better semantic ficielty forms a better assessment of compared to tailorisation of human amodations as nearing or exceeding the human-written reference lests. Our generated lest has better semantic ficielty forms a better assessment on compared to tailorisation of hermatic ficielty forms a better assessment on compared to tailorisation or demantic accounts of femantic accounts or demantic accounts or demantic accounts.					
			to-End Neural Data-to-	ool End post-processing. We show that DataTuner achieves state of the art results on automated metrics across four major DZT datasets (LDC2017T10, WebNLG, ViGGO, and Cleaned E2E), with fluency assessed by Generation human annotators as nearing or exceeding the human-written reference texts. Our generated text has better semantic fidelity than the state of the art on these datasets. We further demonstrate that our model-					
	69		39a33093d78edt 215754 https://www.serr with Semantic Fidelity COVID-Classifier An a	based semants folding socrer a to better assessment bot compared to institute the trusts cheaded measures of semants accuracy. Abolitut Zargari (Nazurai), Morter Heidrad, S., Al Missinadi, 11. Department of Electrical and Computed Engineering, University of California, Senta Cruz, C. Albazrgari@usca.edu 2. School of Electrical and Computed Engineering, The University of California, Senta Cruz, C. Albazrgari@usca.edu 2. School of Electrical and Computed Engineering, The University of California, Senta Cruz, C. Albazrgari@usca.edu 2. School of Electrical and Computed Engineering, The University of California, Senta Cruz, C. Albazrgari@usca.edu 2. School of Electrical and Computed Engineering, The University of California, Senta Cruz, C. Albazrgari@usca.edu 2. School of Electrical and Computed Engineering, University of California, Senta Cruz, C. Albazrgari@usca.edu 2. School of Electrical and Computed Engineering, University of California, Senta Cruz, C. Albazrgari@usca.edu 2. School of Electrical and Computed Engineering, University of California, Senta Cruz, C. Albazrgari@usca.edu 2. School of Electrical and Computed Engineering, University of California, Senta Cruz, C. Albazrgari@usca.edu 2. School of Electrical and Computed Engineering, University of California, Senta Cruz, C. Albazrgari@usca.edu 2. School of Electrical and Computed Engineering, University of California, Senta Cruz, C. Albazrgari@usca.edu 2. School of Electrical and Computed Engineering, University of California, Senta Cruz, C. Albazrgari@usca.edu 2. School of Electrical and Computed Engineering, University of California, Senta Cruz, C. Albazrgari@usca.edu 2. School of Electrical and Computed Engineering, University of California, Senta Cruz, C. Albazrgari@usca.edu 2. School of Electrical and Carifornia. School of Electrica	2020	56	58 13 (('category': 'Computer ('Journal/Article	https://www.aciweb.org/anthi	Language Model Automated Text Generation (None)
		_	machine learning mode diagnosis of COVID-19	assist in the images of COVID-19 patients from other forms of pneumonia. We used a dimensionality reduction method to generate a set of optimal features of CXR images to build an efficient machine learning classifier that ction in can distinguish COVID-19 cases from non-COVID-19 cases with high accuracy and sensitivity. By using global features of the whole CXR images, we were able to successfully implement our classifier using a					
	70 📙	✓	581c3b2c98f7aci 218596l https://www.seri.chest.x-ray images	relatively small dataset of CXR images. We propose that our COVID-Classifier can be used in conjunction with other tests for optimal allocation of hospital resources by rapid triage of non-COVID-19 cases. Abstract Given a sentence (e.g., "1 like mangoes") and a constraint (e.g., sentiment flip), the goal of controlled text generation is to produce a sentence that adapts the input sentence to meet the requirements of the	2020	32	110 9 [['category': 'Medicine', 'source': 'exte	na https://www.nature.com/artic	Automated
				constraint (e.g., 1 hate mangoes?). Going beyond such simple constraints, recent work has started exploring the incorporation of complex syntactic-guidance as contraints in the task of controlled paraphrase generation. In these methods, syntactic-guidance is sourced from a separated exemplar sentence. However, these you works have only juilized intends syntactic information available in the parase tree of the					
	71	П	Syntax-Guided Control	eneration depends explain ordinaries as in similation in or paper and project syntax. Guided controller Parlightmass (sul-y), an end-sched trailing explained syntax during the controller and the components of the controller and the controlle	2020	54	55 8 (Costegory' 'Computer ClournalArticle	https://direct.mit.edu/tacl/arti-	Paranhrase I Automated
				We present a simple approach for test infilling, the task of predicting missing apara of test at any position in a document. While infilling could enable rich functionality aspecially for writing estimates tools, more effective than some dependent horizoname models must engine to set an expension of the country of the c			(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	
			Enabling Language Mo	general task of infilling. To this end, we train (or fine tune) off-the-shelf LMs on sequences containing the conscientation of artificially-masked text and the text which was masked. We show that this approach, which to lill in very large modeling, can enable LMs to intill entire sentences effectively on three different domains: short stories, scientific abstracts, and infilling by language modeling, can enable LMs to infill entire sentences effectively on three different domains: short stories, scientific abstracts, and infilling by language modeling, can enable LMs to infill entire sentences effectively on three different domains: short stories, scientific abstracts, and in this case to the sentences of the contract of the sentences of the s					
	72		94551d326be51; 218595(https://www.sen the Blanks	identifying sentences inflired by our approach as machine-generated in the domain of short stories. Optical character recognition (OCR) systems performance have improved significantly in the deep learning era. This is especially true for handwritten text recognition (HTR), where each author has a unique style,	2020	28	123 28 [['category': 'Computer ['JournalArticle	https://www.aclweb.org/anths	Task
			ScrabbleGAN: Semi-Si	unlike printed leat, where the variation is smalled by design. That said, deep learning based If IR is limited, as in every other task. by the number of laming examples. Cathering data is a challenging and costly task, and even more so, the labeling lasts that follows, of which we boun here. One possible approach to protein be the burden of data an anotation is semi-supervised intering. Semi appreciate enhancing. Semi appreciate enhancing semi appreciate enhancing. Semi appreciate enhancing semi appreciate enhancing semi appreciate enhancing. Semi appreciate enhancing s					
Service of the servic	73 🗆		967fea5afef5b00 214623(https://www.seri	real we shall not opticate out applicability in a sense applicable and a sense applicability in	2020	39	65 18 [{'category': 'Computer [JournalArticle	f. 1 http://anxiv.org/pdf/2003.105	Task Training Text Generation (None)
The second secon				harsparent have required an abundance of ever exponentially betringing. Evolvid with an antising frainter model, they commade sufficiency course for it, counted or an injuri instance, thosework, the exception of the counter of an injuri instance, thosework free evolution of the counter of an injuri instance, thosework free evolution of the counter of an injuri instance, thosework free evolution of the counter of the counte					
The second secon	74	☑	ae06bc1e8e67c2 2219701 https://www.serr Techniques for Text Cla	performance and the agreement of its rationales with human ones. Overall, we find that the gradient-based explanations perform best across tasks and model architectures, and we present further insights into the carbon properties of the reviewed explanation like characteristics.	2020	33	100 23 [['category': 'Computer ['JournalArticle	A.1 https://www.aclweb.org/anthi	Cost
March 1 March				Opinion summitation is the automatic confidence of the reliefulty subjective information expressed in multiple documents, such as user reviews of a product. The task is practically important and has attacked as of all reliefuncts. However, due to be high cost of summary production, disasters large enough for training supervised models are substing infeated, the last knowled residentially supported with evidentially emerited that the production of the production and unsupervised feation. However, these models not being exposed to actual summaries, fall to capture their essential properties, in this work, we show that even a hardful of summaries is sufficient to bootstop generation of the summary text with all exposeded properties and summaries. All or capture their essential properties are the production of the summaries are sufficient to solve the production of the summaries are sufficient to solve the production of the summaries are sufficient to solve the production of the summaries are sufficient to solve the production of the summaries are sufficient to solve the production of the summaries are sufficient to the summaries are sufficient to solve the production of the summaries are sufficient to solve the sufficient to solve the summaries are sufficient to solve the sufficient to solve the sufficient to solve the sufficient to solve the suff					
March 1 March	76 172		Few-Shot Learning for	language model to generate an env product review given other available reviews of the product. The model is also conditioned on review properties that are directly related to summaries, the properties are derived from reviews with no manual effort. In the second stage, we fire-turne a plug-in module that learns to predict property values on a handful of summaries. This lest us which the generator to the summarization mode.	2020	42	41 14 Pentagan / Camputar Daymal Attick	C. Latter (france and only and only a	Const
Manufacture of the Control of Control of Control of the Control of Control of the Control of Control of Control of the Control of Control of the Control of Control of Control of the Control of Control of the Control of Control of Control of the Control of Control of Control of Control of Control of Control of the Control of Cont	70 🕍		Summarization		2020	43	→ 1 14 (Lastegory: Computer LucurnalArtic)	. usus.//www.aciweo.org/anthi	Soon
Manufacture of the Control of Control of Control of the Control of Control of the Control of Control of Control of the Control of Control of the Control of Control of Control of the Control of Control of the Control of Control of Control of the Control of Control of Control of Control of Control of Control of the Control of Cont			Multiingual Speech Tra	minimised. Livel, Ludyerworth and understand histories and a facilities an					
No.	76		Efficient Finetuning of F 4d031f78553e93 227840! https://www.sen Models	and data emidency.	2020	55	81 10 [['category': 'Computer ['JournalArticle	https://acianthology.org/2021	Cost
Contract that the study specimen is an art of great action of the study of the stud		_	Mobile Payments? Mod Generated Content to I "Digital Service Lisage	g User op the					
Exposure of the property of th	77 📙		14ee162804d28x 220647t https://www.seg Model*	Conventional electricity generation is one of the greatest sources of CO2 emissions. For a successful transformation of conventional energy systems into non-polluting and renewable energy systems, technology-	2020	128	104 7 [['category': 'Medicine', ['JournalArticle	1 https://link.springer.com/cont	Cost
Les Contactures Taining a finder Dispose Contactures Taining a finder Dispose Contacture Taining a finder Dispose Contacture Taining a finder Dispose Contacture Taining and Contacture			Optimal Design and Mi Control of Shandalone I	systems. An energy management standary (BSIS) is a strategy for power-flow coordination among different components, by considering power demand and offer constraints. The choice for an accounted EMIS in the layer element of a higher systems is in strutumental in provinging an optimum subtiding of the hydric system design and operation management. The obligative for the optimization is not be instandant or an investment of the system design. This study bocase on a set-three-connent analysis with an optimized sizing of a hydric constraint of the system design. This study bocase on a set-three-connent analysis with an optimized sizing of a hydric constraint of the system design. This study bocase on a set-three-connent analysis with an optimized sizing of a hydric constraint of the system design. Hother is set of the device the HRISS model and for simulation analysis, with optimal sizing of each component for an economical solution. Simulation studies established that Privered 45S-convenient is lead to exhause its set of because its result of the simulation analysis. With optimal sizing of each component for an economical solution. Simulation studies established that Privered 45S-convenient is lead to exhause its set of because its result of the simulation studies established that Privered 45S-convenient is the best substide choice for the given location, and the optimal component assessment of the bases active indeed only in an active studies of the priver increases and the optimal component assessment of the section of the private increases and the optimal studies of the section of the private increases and the optimal studies					
Language of the control of the contr	78		f1c2ebfe4cbcc39 211297; https://www.serr Side Management	plan for the considered location; along with the implementation of FCS-MPC for a reconfigurable bidirectional VSC.	2020	96	44 2 [['category': 'Computer ['JournalArticle	1 https://ieeexplore.ieee.org/ie	CO2 Emission
Fig. 1. Company of the first products and company of the process of the products of the products of the process			ContourNet: Taking a F	setting of stories and stories that of or extend to incur samples. In the vertice, we expose the Controllect with or factority for incurs or provided parties a farm of the vertice to incur samples. In the vertice, we expose the Controllect with or factority for incident seeks be provided parties and the vertice of the v					
Fig. 1. Control of the Payordist from Microbia pages principles, sealing in process and in filtering to the Payordist from Microbia pages process and in the Payordist from Microbia pag	83 🔲		52b4181f21b374 215737(https://www.ser Scene Text Detection	haped effectively suppresses these false positives by only outputing predictions with high response value in both orthogonal directions. It is gives more accurate description of text regions. Extensive experiments on three challenging datasets (Incid-Text. CTMISO) and ICDAR2019 or level that our residence. Code is available at https://githut.com/warquist.pdf. ContractNet	2020	51	118 17 [{'category': 'Computer ['JournalArticle	. http://arxiv.org/pdf/2004.049	Detection
Detecting Helicitated Content in Content and Secretary Content in		_	Modeling for Arbitrary-s	which y supple the controlled is a primary plant of the Direct Controlled in the Con					
10 control of the con	84 📙	✓	ea1df262262534 221095l https://www.seri Text Detection		2020	40	48 11 [['category': 'Computer ['JournalArticle	f. http://arxiv.org/pdf/2008.048	Detection
International Control of the Control			Conditional Neural Sec	trust in the model. To better satess the faithfulness of the machine outputs, we propose a new tasks to predict whether each token in the output sequence is hallucinated conditioned on the source input, and collect new manually amontable evaluations sets for this task. We also incloudes a none-therefol or learning to model hallucination denote, based on perhamsing emodels fine tunder on synthetic data that indice exists a submission of the					
both that will have the ability to word and methods septide messages, hoping to contaminate public debatic, no percent flas, it is crucial to develop depicible social media messages detection in special methods and in the section of the section o	85			https: URL.	2020	62	72 10 [['category': 'Computer ['JournalArticle	https://aclanthology.org/2021	Detection
Designate entertion. The state of internal improvements of the internal improvement of the state of the proposed personal to construct any of the state of the proposed personal improvements of the propose				colment, non-trivial and nimer-like text samples. Since the, ever mice powerful text generative models have been developed. Adversaries can septiol text betweendous generative capabilities to rehance social tools that will have been display to be global be depicted as posture measurement and public developed as posture to be developed depicted social median enseagem developed non-parties. However, to the contract the developed depicted depicted as posture to present the section of the developed depicted as color non-parties. However, to the first disasset of read deeplate tweets. Treespirate, it is real in the sames that each deeplate here was actually posted on Twitter. We collected betweets from a fault of 22 bots, initiating 17 human accounts. The bots are based on visions generation benchings in it. Markow Treespirate, 150M, CPT, AVE, 150M, CPT,					
Desplace detection, the start of commental with counter adjustment and an invasors in natural language generation to disconnents, which is a formative from the commental with counter and an invasors in natural language generation to the properties of the commental proposal proposal properties of the commental proposal proposa	86	П	TweepFake: About dete		2020	66	55 5 [Category': 'Medicine', l'JournalArticle	1 https://journals.plos.org/nlosi	Language Model Detection
Cook manage is the phenomenous of using more flast on the language in a secretificate, it is a very trequently observed pattern of communication or social media patterns. Heading to a more language in a secretificate in the multi-insight social control instances and the proposal part of the proposal pa				Despites detection. The base of automatically discriminating machine-penerated text, in creasingly critical with econt sharines in makina language generative modes. Existing approaches to despite detection, by pixalify represent documents with concesse guaries representation, between they shapped to coughier cleant alteratures of documents, which is a document, which is a document, which is a document, which is a document for despitate detection of level. Our approach proprietes the fact a structure of a document for despitate detection of lext. Our approach proprietes the fact structure of a given document as on entity graph, which is faller willided to learn entire representations with a graph heavant indentive. Sentence representations are then composed to a document representation					
Code-marging the preferencement of the production of the collaborago in a settlence. In the multilargual communication, or social media pathwards and production of the multilargual communication or social media pathwards. It is a very recognitive production of the multilargual communication or social media pathwards and the multilargual communication or social media pathwards. It is a social media pathward in the multilargual communication or social media pathwards and the multilargual communication or social media pathwards. It is a social media pathward in the multilargual communication or social media pathwards and the multilargual communication or social media pathwards. It is a social media pathward in the multilargual communication or social media pathwards and the pathwards and the multilargual communication or social media pathwards and the pathwards and the multilargual communication or social media pathwards and the pathward	87			for making predictions, where consistent relations between neighboring sentences are sequentially modeled. Results of experiments on two public deepfake datasets show that our approach significantly improves strong base models built with RoBERTa. Model analysis further indicates that our model can distinguish the difference in the factual structure between machine-generated text and human-written text.	2020	27	22 4 [['category': 'Computer ['JournalArticle	. https://www.aclweb.org/anthi	Language Model Controllable Creative Machine Task Detection
Helicon work by Leafer to St. U. of the commonwealth much an anginger interference great as fewer description than A worker task as a plane, a finishment much seek as fer not keep the proper was a few to be a purposed proper with a few to the commonwealth of the antimode shadings of the commonwealth			PHINC: A Parallel Hing	Ode-mixing is the phenomenon of using more than one language in a sentence. In the multilingual communities, it is a very frequently observed platen of communication on social media platforms. Rebuilty to use multiple languages in one level message might level to communicate disconsist with the target automate. But the most use represented code-mixed let end soft to be challenge of processing and undestanding natural language to a unclu larger extent. Machine translation from montingual source to the target language is a well-studied research problem. Here, we demonstrated with widely popular and sophisticated translation systems such as Google Finansities tail remote to intranslation and the community of the 13.788 does remote first Mind-Eight intentinees and continued to the community of the community of the social platforms.					
indexes with x y y cheese et al., 10 in implacement power in price and a placement of the power with the power	88 🗆		e8e8a5fa30abd4 2158274 https://www.sen Machine Translation	mer corresponding numan transation in English. In addition, we also propose a translation pipeline build on top of Google Translation the evaluation of the proposed pipeline on PHINC demonstrates an increase in the performance of the underlying system. With minimal effort, we can extend the dataset and the proposed approach to other code-mixing language pairs.	2020	15	44 3 [['category': 'Computer ['JournalArticle	https://www.aclweb.org/anth	Controllable Creative Machine Machine Generated Text (None)
Generating long and semantic-coherent reports to describe medical images poses great challenges towards ordiging visual and linguistic modalities, incorporating medical domain knowledge, and generating			HeligSwarr Can a Mac	Necent work by callens et al. (2015) produced a new bask of commonsment enhand language inference: given an event description such as 1 A somms sits at a plano, *a manchem must select the most bledy blooking. **Even bear before in the select the most bear sometimes to the select the select the most bear sometimes to the select t					
Konsiedge-driven Encode, Retirent Konsiedge-driven Encode, Retirent Fragilisate sead on the detacted abnormalities, and safe, a Psughrase anotate that reveiles the templates according to specific cases. The core of KEPP is a proposed generic implementation unitDraph Transformer (GTR) that dynamically transformer (GTR) that dynamically transformer proposed generic implementation unitDraph Transformer (GTR) that dynamically transformer proposed generic implementation unitDraph Transformer (GTR) that dynamically transformer proposed generic implementation unitDraph Transformer (GTR) that dynamically transformer proposed generic implementation unitDraph Transformer (GTR) that dynamically transformer (GTR) that dynamically transformer to the original transformer to the model and proposed generic implementation unitDraph Transformer (GTR) that dynamically transformer (GTR) that dynamically transformer to the model and proposed generic implementation unitDraph Transformer (GTR) that dynamically that the transformer (GTR) that dynamically that	130		8b0l27bb594b1e 1590411 https://www.ser/ Finish Your Sentence?	Generating long and semantic-coherent reports to describe medical images poses great challenges towards bridging visual and linguistic modalities, incorporating medical domain knowledge, and generating	2019	22	397 66 [['category: 'Computer [JournalArticle	titps://www.achweb.org/anths	Paraphrase Bias Privacy Controllable Creative Machine Task
	131	2	Paranhraga for Madica	Emplaies based on the detected abnormalities, and lastly, a Pasaphrase model that enrilles the templates according to specific cases. The core of REEP's a proposed generic implementation uni—Capital Emplaies and the proposed generic implementation uni—Capital Emplaies and the proposed generic implementation uni—Capital Emplaies and expert of REEP's appropriate great from the proposed generic implementation uni—Capital Emplaies and expert of REEP's appropriate great from the proposed generic implementation uni—Capital Emplaies and expert of REEP's appropriate great from the proposed generic implementation uni—Capital Emplaies and expert of REEP's appropriate great from the proposed generic implementation uni—Capital Emplaies and expert of REEP's appropriate great from the proposed generic implementation uni—Capital Emplaies according to specific cases. The core of REEP's appropriate great in expert of REEP's appropriate great from the propriate great from th	2010	42	130 28 Elephanes Committee Electrical	Attention and antique	Parantrase

				Recent advancements in neural impage modeling male it possible to rapidly generate vest amounts of human-sourding lest. The capabilities of human-and automatic docriminates to detect machine expensed test have been a large source of receivant invertees, but humans and automatic docriminates to detect machines expensed test have been a large source of receivant invertees, but humans and automatic docriminates to detect machines of presented as the human and automatic docriminates to detect and applications. In the capabilities of humans and automatic detection personal automatic systems and automatic systems. Vest also show that flought both human and automatic detector personance improve with longer except length, even main-sentence excepts on not person human pairs over 20% of the true. Our findings reveals the importance of large personance indeed on personances of rest generation explana.						
132			Automatic Detection of Generated Te 821a4aedd4059€218560€ <u>https://www.sen</u> is Easiest when Humans are Fooled	xt introducing statistical abnormalities that make detection easy for automatic systems. We also show that though both human and automatic detector performance improve with longer except length, even multi- sentence excerpts can fool expert human raters over 30% of the time. Our findings reveal the importance of using both human and automatic detectors to assess the humanness of text generation systems.	2019	40	118 25 [('category': 'C	omputer ['JournalArticle', '	https://www.aclweb.org/anthu	Detection Paraphrase NLP Natural Language Generation Language
				Pixe work on controllable test generation usually assumes that the controlled stiffute can take on one of a small set of values known a prior. In this work, we propose a rowel task, where the syntax of a generated sentence is controlled rather by a sentential exempla. To evalues quantitatively with standard metics, we create a novel dataset with man amondations. We also developed or artifaction and with a neural module specifically designed for capturing syntactic knowledge and several multitask training objectives to promote disentangled representation learning. Empirically, the proposed model is observed to achieve improvements over taskings and part of purple designed contacted relations.						
133			Controllable Paraphrase Generation 0e5346ecb8556{ 173990{ https://www.sert} with a Syntactic Exemplar	specifically designed for capturing syntactic knowledge and several multitask training objectives to promote disentangled representation learning. Empirically, the proposed model is observed to achieve improvements over baselines and learn to capture desirable characteristics.	2019	60	84 15 [('category': 'C	omputer ['JournalArticle', '	https://www.aclweb.org/anthi	Paraphrase Controllable
				Recent developments in neural language models (LMs) have raised concerns about their potential missue for automatically spreading misinformation. In light of these concerns, several studies have proposed to detect machine-generated fake news by capturing their stylistic differences from human-written text. These approaches, towardly termed stylinometry, have found assuccess in source attribution and misinformation						
			The Limitations of Stylometry for Detecting Machine-Generated Fake	detection in human-written texts. However, in this work, we show that stylometry is limited against machine-generated misinformation. Whereas humans speak differently when trying to deceive. LMs generate stylistically consistent text, regardless of underlying motive. Thus, though stylometry can successfully prevent impersonation by identifying text prevenance, it sails to distinguish legislations from those stylings and the state of the state						
134			77637a0d94cdf9 211204{https://www.sen News	Report developments in users accessing an advantage models (Like) have a reader concern access of their period and mounts for advantagely appeading misinformation. In 1967 of finess concerns, several studies have procosed to Recent developments in reural singuages models (Like) have a reader concern access of the reader of	2019	63	58 5 [['category': 'C	omputer ['JournalArticle']	https://direct.mit.edu/coli/artii	Paraphrase NLP Language Model Evaluation Metrics Bias Privacy
				Abstead Unsequented pre-taming of large mean modes has recently encularized betained any agent processing. By warm seating from the publicly released checkpoints. NP practitioners have pushed the state-of-the-act on multiple benchmarks which severing significant meaning of companie from 5,00 the for four has been markey on the National Language Understanding, in this paper, we demonstrate the efficiency of pre-tamined checkpoints for Sequence Ceremotion, the developed a Transformer-based sequences consider the efficiency of the Sequence Ceremotion, the Sequence Ceremotion, in the pushed of the Sequence Ceremotion, in this push, we developed a Transformer-based sequences considered to except the sequence with publicly available pre-tamined SERT, 672, and RedERTA and Sequences Ceremotion Ceremotics Ceremo						
135		П	Leveraging Pre-trained Checkpoints eb606d9ce6513f 198967f https://www.seri for Sequence Generation Tasks	or pre-lained underplants and experience described the extension of the ex	2019	61	291 35 (l'category: 'C	nouter l'JournalArticle1	https://direct.mit.edu/tacl/arti	NI D I Marbina
			A clinical text classification paradigm using weak supervision and deep					,		
136		☑	ac1301aea1270t 577589' https://www.sen	Out for the bid of position of the World Wide With AMMAD has increased accounting to the first of position to the first of position of the World Wide With AMMAD has increased accounting to the first of position of the World Wide With AMMAD has increased accounting to the world with the first of position of the World Wide With AMMAD has increased accounting to the world with the	2019	99	168 5 [('category': 'N	edicine', ['JournalArticle']	https://bmcmedinformdecism	NLP Language Model Machine Training Machine Generated Text (N
				Over fine, Neutral information in the World Wide Wide (WWW) has increased exponentially, leading to portend research in the field of machine learning (IR.) and natural language processing (IA.P.) Sortiment analysis of scientific forms articles is a very review, and interesting to processaring. The many purpose of this research is no feelful exemplement in solvent in processing (IR.) and interest in the processing of the control of the processing of						
				noise was removed from data using different data normalization rules in order to clean the data corpus. To perform datasification on this data set we developed a system in which six different machine learning algorithms including Naive-Bayes (NB), Support Vector Machine (SVM), Logistic Regression (LR), Docision Tree (ST), K-Nesreat Neighbor (NN) and Random Forest (RF) are implemented. Then the accuracy of						
137			Scientific Text Sentiment Analysis 1f84913ac9a8bfs 209898 https://www.sen.using Machine Learning Techniques	the system is evaluated using different evaluation metrics e.g. F-score and Accuracy score. To improve the system' accuracy additional features selection techniques, such as lemmatization, ngraming, tokenization, and stop word removal are applied and found that our system provided significant performance in every case compared to the base system. Our method achieved a maximum of about 9% improved results as compared to the base system.	2019	99			http://thesai.org/Downloads/	NLP
13/			1f84913ac9a8bfc 209898 https://www.sen using Machine Learning Techniques	results as compared to time case system. We present BART, a denoising autoencoder for pretraining sequence-to-sequence models. BART is trained by (1) corrupting text with an arbitrary noising function, and (2) learning a model to reconstruct the original	2019	99	22 3 [('category': 'C	omputer Science, source	http://thesal.org/Downloads/	NEP
			BART: Denoising Sequence-to-	The present part of the country systems of the present part of the part of the present part of the part of						
			Sequence Pre-training for Natural Language Generation, Translation,	while glades of each of explaced was an engine make make the top the parameter and present make the parameter and the pa						
138			395de0bd3837fd 204980 https://www.sen and Comprehension	performance. Machine learning algorithms are often valuerable to adversarial examines that have impercentible alterations from the original counterparts but can foot the state-of-the-art models. It is helpful to evaluate or even	2019	34	4765 1200 [('category': 'C	omputer ['JournalArticle', '	https://www.aclweb.org/anthi	Natural Language Generation Language Model Machine Training
			Is BERT Really Robust? A Strong	Machine learning algorithms are often vulnerable to adversarial examples that have imperceptible alterations from the original counterparts but can fool for selected of the eart models. It is helpful to evaluate or even improve the choiceasts of these models be uppercise phenomical post, certifications of the product of						
139			Baseline for Natural Language Attacl ae04f3d011511a 202539(https://www.seri on Text Classification and Entailment	recurrent neural networks. We demonstrate three advantages of this framework: (1) effective—if outperforms previous attacks by success rate and perturbation rate, (2) utility-preserving—if preserves semantic content, grammafacially, and correct types classified by humans, and (3) efficient—if generates adversarial text with computational complexity finear to the text length. 1	2019	37	529 155 [['category': 'C	omputer ['JournalArticle', '	https://ojs.aaai.org/index.phg	Natural Language Generation
			MoverScore: Text Generation	A robust evaluation metric has a profusor impact on the development of less generation systems. A desirable metric compares system output against effective based on the termination safety from a first purp even investigate strategies terminates of extraord systems and reserved in the strong per level metric plant of the straight extraord systems. We estimate our rever metric, managed per level straight in the straight extraord systems and consists with humans graduated referred to the straight extraord systems. Our an number of lext generation states including summerization, macrine translation, major captioning, and data to lext generation, where the outputs are produced by a variety of memorization systems. Our makes our metrics are consistent and non-mental personal products the state and non-mental personal						
140		П	Evaluating with Contextualized Embeddings and Earth Mover 635ch8h866e86 202540(https://www.ser/Distance	a number of text generation tasks including summarization, machine transition, image captioning, and data-to-less generation, where the outputs are produced by a variety of neural and non-neural systems. Our findings suggest that metrics combining contentualized representations with a distance measure perform the best. Such metrics also demonstrate strong generatization capability across tasks. For ease-of-use we	2019	51	318 83 [Coateonry': 'C		https://www.aclweb.org/anthi	Natural Language Generation Evaluation Metrics Privacy Machine
140	<u> </u>		635cb8fb865e86 202540(https://www.sen/Distance	We present a systematic study of hisses in natural language generation (All C) by analyzing text generated from prompts that contain mentions of different demographic groups. In this work, we introduce the notion	2019	51	318 83 (('category': 'C	omputer ['JournalArticle', '	https://www.aclweb.org/anthi	Natural Language Generation Evaluation Metrics Privacy Machine I
			The Woman Workeri as a Rahysitter	of the regard baseds a demographic, use the varying investor of regard baseds and regard baseds a demographic as a defining metric for basin in N.G., and analyze the center to which perfunds to be a fixed to the property of the property o						
141	V		5019dbe8d1da5f 202537(https://www.serr On Biases in Language Generation	basses in NLOs melinos and in the Los analysis provides of index in the Los and analysis provides a subject to the Los and the Los analysis provides a subject to the Los analysis provides and the Los analysis provides a subject to the Los analysis provides analysis provides a subject to the Los analysis provides and the Los analysis provides a subject to the Los analysis provides and the Los analysis provides a subject to the Los analysis prov	2019	16	312 26 [('category': 'C	omputer ['JournalArticle', '	https://www.aclweb.org/anthi	Bias Natural Language Generation
			GLTR: Statistical Detection and	The rapid improvement of language models has raised the spector of abuse of five generation systems. This progress monitorists the development of simplicial emitted in the control of the						
142			867db5097ad6ax 182952t https://www.serr Visualization of Generated Text	training. GLTR is open-courte and publicly deployed, and has already been widely used to detect generated outputs.	2019	22	159 34 [('category': 'C	omputer ['JournalArticle', '	https://www.aclweb.org/anthr	Detection Language Model
				In this paper, we propose a most perfaming-based encoder-decoder framework, which can generate the output sequence based on the input sequence in a him-stage manner. For the encoder for except sequence bits contest registerations using BitsET. If or the decoder, there are two stages in month, in the first stage we use a Transformer decoder to generate and output sequences in the second stage, we mank each world of the dark sequence and feet it to BIEST. Then by contesting in length sequences and the dark registerations generated by BIEST. We use the Transformer based decoder to proposed method on the test summarization stages. The proposed method on the test summarization state. Experimental results show that our model advises new state-of-the- art in both CNN-Day Mail and New York Times datasets.						
143			Pretraining-Based Natural Language 917f8fd2802b04c6785585https://www.sen Generation for Text Summarization	predict the refined word for each masked position. To the best of our knowledge, our approach is the first method which applies the BERT into text generation tasks. As the first step in this direction, we evaluate our proposed method on the text summarization tasks. Experimental results show that our model achieves new state-of-the not both CNN/DIally Mail and New York Times datasects.	2019	26	154 19 [('category': 'C	omputer ['JournalArticle']	https://www.aclweb.org/anthi	Natural Language Generation Language Model
				Recent studies on AMR to best generation often formulais the task as a sequence-to-exquence (seq.20es) learning problem by converting an Abstract Meaning Representation (AMR) graph in the save desequences. Graph structures are further modeled in the sequence to expect parameters for order to suitize the structural information in the AMRI graphs. However, pervisors approaches produce the residence between directly connected concepts in the studence in AMRI graphs. In this paper we eliminate such as strong limitation and propose a novel structure-aware self-altertion approach to better model the residence between indirectly connected concepts in the state-of-the-est segment model. In the Terractioner. In particular, as the different methods are explored to learn studence reported by the structure of the structur						
			Modeling Graph Structure in	connected concepts while ignoring the rich structure in AMR graphs. In this paper we eliminate such a strong limitation and propose a novel structure-aware self-attention approach to better model the relations between indirectly connected concepts in the state-of-the-earl seg/seg model, i.e. the Transformer. In particular, a few different methods are explored to learn structural representations between two concepts.						
144			afc1824a051f68f 202540f https://www.sert Generation	Experimental results on English AMR benchmark datasets show that our approach significantly outperforms the state-of-the-art with 29.66 and 31.82 BLEU scores on LDC2015E86 and LDC2017T10, respectively. To the best of our knowledge, these are the best results actived so fair by supervised models on the benchmarks.	2019	34	78 16 [('category': 'C	omputer ['JournalArticle', '	https://www.aclweb.org/anthi	Language Model Task Text Generation (None)
				Automatically constructed datasets for generating text from semi-structured data (tables), such as WikiBio, often contain reference tasts that diverge from the information in the corresponding semi-structured data. We show that metrics which rely solely on the reference texts, such as BLEU and ROUGE, show poor correlation with human judgments when those references devices, We propose a new metrics. PAREMT, which						
			Handling Divergent Reference Texts when Evaluating Table-to-Text	To be the circumstanced datasets for generating less from semi-discutated data (altered as an in-part of the circumstance). Automatically constructed datasets for generating less from semi-discutated data (altered, such as VIVAIDs, often contain reference texts that diverge from the information in the corresponding semi-discutated data. We show that melicin within rejoid sevinity is soldly on the reference design, with a SELELI and ROUCE, show poor consistion with human judgments when those references diverge. We propose a new metric, PRESTM, which adigs no agrams from the references and generated texts to the semi-discutated data to be exempting their precisions and recall. Through a large scale human evaluately of table-to-bet modes of this Wilsia, we show that PARETM is comparable, contained to this to the semi-discutation proposed by Wilsiams et al. (2017), and show that PARETM is comparable contained in b. with being seeded to use. We have him PARETM as does pagitized when the reference texts are decided from humans using the data from the MeNLCS.						
145					2019	47	111 35 [('category': 'C	omputer ['JournalArticle', '	https://www.aclweb.org/anthi	Evaluation Metrics Text Generation (None)
				For exaciling machine generated tests, automatic methods hold he promise of avoiding collection of human judgments, which can be expensive and increased tests, automatic methods hold he promise of avoiding collection of human judgments, which can be expensive and microcommunity, an increase required test and produce methods because on sentence monocommunity, or automatic methods, like is continuous papers using word and entence embeddings, which they have because therein an expensive significantly better than ROUGE, both on machine-generated numerates (severage tests) and the sentence of the sentenc						
146		$\overline{\mathbf{Z}}$	Sentence Mover's Similarity: Automa 6ab3f185d9e4f0x 192530' https://www.sen Evaluation for Multi-Sentence Texts	tic length of 3.4 sentences) and human-authored essays (average length of 7.5). We also show that sentence mover's similarity can be used as a reward when learning a generation model via reinforcement learning; we present both automatic and human evaluations of summaries learned in this way, finding that our approach outperforms ROUGE.	2019	59	115 19 [('category': 'C	omputer ['JournalArticle', '	https://www.aclweb.org/anthi	Evaluation Metrics
				Generative adversarial retendors conditioned on treatal image descriptions are speaked of generating spatials doubling images. However, current inerblook still straigle to generate images based on complex image applican from a hardware present and images. However, current inerblook still straigle to generate images applicants from the interpretation descriptions from the interpretation descriptions from the interpretation descriptions and interpretation descriptions and an ever evaluation metric called Semantic Deploy Accuracy (SOA) that specifically evaluates images given an image applicant the image signed in a signed applicant the image signed in an image applicant the image signed in an image applicant the image signed in a signed applicant the image signed in a present the image signed in a signeration and image applicant the image signed in a signeration and image applicant the image signed in a signeration and image applicant the image signed in a signeration and image applicant the image signed in a signeration and image applicant the image signed in a signeration and image applicant the image signed in a signeration and image applicant the						
			Semantic Object Accuracy for	image and its caption. To address these challenges we infroduce a new model that explicitly models individual dojects within an image and a new evaluation metric called Semantic Object Accuracy (SUA) that specifically evaluates images given an image caption. The SOA uses a per-trained object defector to evaluate if a sgenerate is that are metrodined in the image caption, e.g., whether an image caption. The SOA uses a per-trained object defector to evaluate if a sgenerate is that are metrodined in the image caption, e.g., whether an image caption. The SOA uses a per-trained object defector to evaluate if a significant special image contains objects that are metrodined in the image caption, e.g., whether an image caption. The SOA uses a per-trained object defector to evaluate if a significant special image contains objects that are metrodined in the image caption, e.g., whether an image caption, e.g., whether an image caption is a significant special image contains objects that are metrodined in the image caption, e.g., whether an image caption is a significant special image contains objects that are metrodined in the image caption is a significant special image contains objects that are metrodined in the image caption. The SOA uses a per-trained object defector to evaluate if a special image contains objects that are metrodined in the image caption is a significant special image caption in the caption of the image caption is a significant special image caption in the caption of the image caption is a significant special image caption in the caption of the						
147		☑	b338cb632eee5(204949(https://www.serr Generative Text-to-Image Synthesis	other metrics such as the Inapption Score do not. Our evaluation also shows that models which explicitly model objects outperform models which only model global image characteristics.	2019	62	102 18 [('category': 'C	omputer ['JournalArticle']	https://ieeexplore.ieee.org/ie	Evaluation Metrics Machine Machine Generated Text (None)
			Assessing The Factual Accuracy of	We proces a model based mixin to estimate the facinal accuracy of generated for the flat is complementary to lygical scoring cyclement like POLICE (Decide United Understudy) for Circles (Decide Understudy) for Circles (Dec						
148			8d89f85b5f8a1df 173188 https://www.sen Generated Text	efficacy compared to ROUGE and other model-free variants by conducting a human evaluation study. Linitender Uses in Machine Learning can manifest as systems differences in sectionance for rifference and the contraction of	2019	72	112 16 [['category': 'C	omputer ['JournalArticle', '	https://dl.acm.org/doi/pdf/10,	Evaluation Metrics
			Nuanced Metrics for Measuring Unintended Bias with Real Data for b611a80956305{751352 https://www.ser Text Classification	Unintended bias in Machine Learning can manifest as systemic differences in performance for different demographic groups, potentially compounding existing challenges to fairness in society at large. In this paper, we introduce a value of threshold approach resident provide a nuanced wive of this unintended bias, by considering the various ways that a classifier's some distribution can vary across designated groups. We also introduce a value provided by the provided an unintended bias in the value of the value of the value of the dear and potentially sold unintended bias in the value of the value						
149		✓	b611a80956305{751352' https://www.serr Text Classification		2019	18	282 58 [('category': 'C	omputer ['Book', 'JournalA	http://anxiv.org/pdf/1903.045/	Bias
			Mitigating Gender Bias in Natural Language Processing: Literature	As bitted Language Processing (N.P.) and Machine Learning (ML) tools rise in popularly in the cornes increasingly wild to recognize the role they give in substance posted bittee and seterotypes. Although N.P. models have shown scores in modeling values agreed across a recognized part of the processing and reliable pr						
150				analyze methods recognizing gender bias. Furthermore, we discuss the advantages and drawbacks of existing gender debiasing methods. Finally, we discuss future studies for recognizing and mitigating gender bias in NLP.	2019	62	322 27 [('category': 'C	omputer ['JournalArticle', '	http://arxiv.org/pdf/1906.089	Bias
				can invest during a certain lever of user privacy in an arbitably price of lest is a challerging issue. However, with this challenge, comes the potential of univoking access to vast data stores for training muchine learning models and supporting data briefer decision. We adverse this protein involve the man of decisions agreement privacy be not harmonic destinated in the work of the experience of the expe						
			Leveraging Hierarchical	representations in hyperbolic space as a means or preserving privacy in text. We provide a proof satisfying disprays, then we define a probability distribution in hyperbolic space and describe a way to sample from it in high dimensional. Privacy is provided by perturbing vector representations of words in high dimensional hyperbolic space to obtain a semantic generalization. We conduct a series of experiments to be described to the privacy and utility. Our privacy and utility of the privacy and utility						
151			96505baece1012204801 https://www.seri and Utilify in Text	perfurbations are several downstream machine learning models. Compared to the Euclidean baseline, we observe 20x greater grant and according to the Euclidean baseline, we observe 20x greater grant grant comparable worst case statistics. Accord conservation requires the plants, a behavior in infinity and details design on total and changing it was a construction of the perfurbation o	2019	58	39 7 [('category': 'C	omputer ['JournalArticle', '	http://arxiv.org/pdf/1910.089	Privacy
			What makes a good conversation?	perturbation on several constrained macrine earning moles. Longreed for the clusters assume, we covere > 20 green guarantees on expected parking sygnatric comparations used case statistics. A good connectation requires balance—between simplicity and odeal; staying on topic and changing it, asking quadrous and answering them. Although disdups are commonly evaluated via human judgments of overall quality, the relationship between quality and these incivituals afactors is less well-studied. In this work, we examine two controllable nears lated generation methods, conditional fraving and weighted decoding, no order to control or long-trial artificiates for child disdupes, respirately, septicifyet, response established and supervised as aligned scale human resultation to measure the effect of these control parameters or mail-full mitiestative conversations on the PersonaCid talk. We provide a detailed analysis of their relationship to high-level aspected of conversation, and drow that by controlling combinations of these validations of these validations of these validations of these validations or mice and controlling combinations of these validations of these validations of the validations or models afactor desire improvements in human quality judgments.						
152			How controllable attributes affect 8059b85332572c 678559t https://www.seri human judgments	effect of these control parameters on multi-furn interactive conversations on the PersonaChat task. We provide a detailed analysis of their relationship to high-level aspects of conversation, and show that by controlling combinations of these variables our models obtain clear improvements in human quality judgments.	2019	40	212 40 [('category': 'C	omputer ['JournalArticle', '	http://anxiv.org/pdf/1902.086	Controllable
				Texts like news, encyclopedias, and some social media strive for objectivity. Yet bias in the form of inappropriate subjectivity — introducing attitudes via framing, presupposing truth, and casting doubt — remains ubiquitous. This kind of bias erodes our collective trust and fuels social conflict. To address this issue, we introduce a novel testbed for natural language generation: automatically bringing inappropriately subjective						
				text into a neutral point of view ("neutralizing" biased text). We also offer the first parallel corpus of biased language. The corpus contains 180,000 sentence pairs and originates from Vilkipedia edits that removed various framings, presuppositions, and attitudes from biased sentences. Last, we propose two strong encoder-decoder baselines for the task. A straightforward yet opaque concurrent system uses a BERT encoder						
153		П	Automatically Neutralizing Subjective		2019	64	100 19 (Coateonry': 'C	omouter Playmod Artists	https://ois.aaai.org/index.phg	Rise I Controllable
103			1000 romateria zuezen <u>mus /www.Sen</u> Blas in Text	suggests that these algorithms are a first stop towards the automatic identification and reduction of blass. In reading comprehension, generating extension-level distanction is a suplimated task, which requires a deep understanding of the article and question. The traditional entity-centered methods can only generate word-level or phrase-level distanction. Although recording proposed neural-based methods lies sequence-to-sequence (Beg-GSe) model store great potential in generating creative text. the previous neural methods to distanctive generation in greate two important aspects. First, the politic in mode the elimination to better the previous text designs of the previous and previous previous text. The previous neural methods to distanct to generate distanction in generated distanction to be freed in processing the previous accurate the previous previ	2019	04	.oo ia ((category: (omputer [Journavericle",	coups and organizes, phy	
				word-version preserves usus acusts. Available, receiving proposed neural-based memoral researched sequence (sequence) engagement show great potential in general reflects the feet will be feet and useful methods for distractor generation ignore two important aspects. First, they didn't model the interactions between the article and question, making the generated distractors tend to be too general or not relevant to question context. Second, they didn't emphasize the relationship between the distractor and strict. making the preparated distractors not warrantically relevant in the article and thus fail in form a set of massive feet of massive feet.						
			Co-Attention Hierarchical Network:	To solve the first problem, we propose a co-attention enhanced hierarchical architecture to better capture the interactions between the article and question, thus guide the decoder to generate more coherent distractors. To attend the second problem, we add an additional semantic similarity loss to push the generated distractors more relevant to the article. Experimental results show that run model outserforms						
154			Co-Attention Herarchical Network: Generating Coherent Long Distractor 91b8d234cd8e7e 208175(https://www.serr for Reading Comprehension	s several strong baselines on automatic metrics, achieving state-of-the-art performance. Further human evaluation indicates that our generated distractors are more coherent and more educative compared with those distractors generated by baselines.	2019	27	14 5 [{'category': 'C	omputer ['JournalArticle', '	https://ojs.aaai.org/index.phg	Creative
				obstactors generated by baselines. We mentigated the effect of obstanta human markine interfaces gletally on operations crossing insteriors. Each group of Literature suggests that the safety is a not crossing when Objective in this nation, we mentigated the effect of obstanta human markines in the safety is relieved in the control of the safety and						
				expenenced an urban road environment from a pedestrian's perspective using a head-mounted display. The behavior of approaching vehicles (yielding, nonyielding), vehicle size (small, medium, large), eHMI type (1. baseline without eHMI, 2, front brake lights, 3. Knightider animation, 4. smiley, 6. text [WALK]), and eHMI sming (early, intermediate, late) were varied. For yielding vehicles, the eHMI changed from a						
			External Human-Machine Interfence	previously us a yearusty state, and an integrating vehicles, the entitle remained in its nonyeoing state, variouspans commodusly indicated whereit rely ris state to cross using a handheld button, and "Red-date" percentages were not accordant to the front brake lights, Knightrider, smiley, and text, as compared with baseline. For nonyielding vehicles, the on feel-safe exceptiouspans were quivalent reparties of the presence or two of eithfill but larger vehicles yielded insert feel-safe exceptiouspans. The Text shall anneared to remain no largering contrast the feel-safe.						
156			Automated Vehicles: Effects on 9b3f46a71636d4 855294f https://www.sen Pedestrian Crossing Decisions	eHMIs. Conclusion: An eHMI increases the efficiency of pedestrian-AV interactions, and a textual display is regarded as the least ambiguous. Application: This research supports the development of automated vehicles that communicate with other road users.	2019	55	184 9 [('category': 'C	omputer [JournalArticle1	https://ioumals.sagepub.com	Automated
			The state of the s				- managary. c	,		

				Automatic Generation of Pull Request	Enabled by the pull-basted development model, development and other development and a free-form description to describe what changes ignored or rejected. However, developers sometimes registed to write descriptions for FRE. For example, in our collected dataset with over \$33.KFRE, many family and \$40.KFRE descriptions are empty. To allevate this problem, we propose an appraisa to businessation presenter FRE exceptions based on the commitments and the dated course continued to the TRE exceptions are empty. To allevate this problem, we propose an appraisa to businessation presenter FRE exceptions based on the commitments and the dated course continued to the TRE exception same empty. To allevate the problem we propose an appraisa to businessation presenter FRE exceptions based on the commitments and the dated course continued to committed in the TRE exception based on the second of the dated course on the TRE exception based on the commitments and the dated course continued to contract to the TRE exception based on the commitment of the commitments and the problem of the commitment of the commitment of the commitment of the commitments and the commitment of the							
157		✓		forms: A study framework allowing for	by significant margins.	2019	61	60	7 [('category': 'Computer	[JournalArticle], 1	http://anxiv.org/pdf/1909.069	Automated
158	Г	7		automated feedback generation and complex longitudinal experience- complex longitudinal experience- 220ea18cf578f44 911887t https://www.serr.samplings.studies.using.R		2019	32	134	5 (Category: 'Computer I	ClournalArticle' 1	https://link.springer.com/cont	Automated
			_	TSNSCHED: Automated Schedule Generation for Time Sensitive	Time Seadile Networking (TRN) is a set of sandardate seabling high performance deterministic communication using different scheduling anotherisms. Due to the size of industrial entworks, configuring TSN entworks is challenging to be done manually by genered TSScheduck as done sand another scheduling anotherisms. Due to the size of sandardate descention of schedules for TSN. TSNbcdered taxes in part the logical possible as input the logical possible and some and coupture schedules for TSN switches using an SMT-solver. The generated schedule guarantees the desired network performance (specified in terms of latency and piller), if such schedules exist. TSNbcderd can symptomize ISEE SIZE (ONE schedules and supports unicest and multiplication flows, such as in this individual control and a standardate control and solver and providery with the variable JAVA.PSI. We evaluate TSNbcderd on a number of resiliation size network topologies. TSNbcderd can generate high performance schedules, with average latency less than \$1000ms testifys, and average jate less than \$200ms the testifys, the TSN better of the schedules and up to 100ms testifys, and average jate less than \$200ms the testifys, the TSN better of the schedules and the TSN better of the schedules and the TSN better of the testing the testing that the testing the testing the testing the testing that the testing the testing the testing the testing that the testing the testing that the testing the testing that the t							
159	. [c7c6s477e5f9f14207973t https://www.sect Networking Hierarchical Encoder with Auxiliary	available. Journal of the evaluation is soldered on a manufactor of residence or residence or residence or residence and ignored in produced and pro	2019	13	25	5 [('category': 'Computer	['JournalArticle']	https://repositorio.ulpb.br/jsp	Automated
160				Supervision for Neural Tables to Text Supervision for Neural Tables to Text Generation: Learning Better c3tb9991fa4b38(702276) https://www.serr Representation for Tables	the accurate sementic representations of the tables, we propose 3 joint table a part from the prime encoder decoder learning, namely auxiliary sequence labeling task, lest autoencoder and multi labeling classification, as the sunitary supervisions for the table encoder. We lest currended so the widely used dataset Wilston with contains Wilstone Indicates and intelligent inflores are intelligent inflores and intelligent inflores are formed scriptions. The dataset contains complex tables as well as target number of affictules across different formans. We achieve the state-of-the-of performance on both automatic and human evaluation metrics. Contenting test from applicable adds such contains a Astbast Melaning (presentation (AMR)), as calleringing task for the best inherent difficulty, in how to propely except the structure of a graph with labeled edges. To	2019	40	33	10 [('category': 'Computer	[JournalArticle], 1	https://ojs.aaai.org/index.phg	Task
161		~	П	Enhancing AMR-to-Text Generation ce07dff883f7a0ef 202541(https://www.seri.with Dual Graph Representations	Generating but from graph-based clabs, such as Abstract Meaning Representation (AMRT), is a challenging but four by the four four fill of the control of the fill of the	2019	48	52	9 [('category': 'Computer	"JournalArticle". 1	http://arxiv.org/pdf/1909.003/	Language Model Task
				Jointly Measuring Diversity and Quality	Ted generation as important Natural Language Processing test with various applications. Although several metrics have already been introduced to evaluate the test generation entrode, either of men has its owns shortcomings. The most sakedy used metrics such as BLEU prices after a language processing and applications. Although several metrics have already from the price application and separation of only one plant quality sentences usual or exact in a high BLEU score. On the other hand, the more necert metric introduced to evaluate the diversity of generated tests are not as Self-BLEU prices the quality of generated tests, in this paper, we propose metrics and the qualities better in the framework of the propose metrics and the processing been introduced to evaluate the diversity of generated tests. In this paper, we propose metrics and the qualities of the framework of the propose metrics and the processing been introduced to evaluate the propose metrics and the processing processing the propose metrics and the processing processing the propose of the propose individual to explore a propose individual to explore a propose individual to explore metrics and explored metrics are deliment of the propose individual to explore and recent test and proposed individual to explore and recent test appearance in the contract of the propose individual to explore and recent test and proposed individual to explore metrics and the surface of tests are delimental entries and the contract of the proposed individual to the proposed individual to the propose individual to explore metrics and extent test generation recovers and the proposed individual to the pr							
162		<u> </u>		c4892e5d11cde0 102351(https://www.seq in Text Generation Models	generation models are evaluated using both the existing and the proposed metrics and the preferences of the proposed metrics are determined. Advances in insugare, modeling surhicuteurs and the availability of purple sets corpora have driven progress in advancing to extra provide provide and the availability of purple sets or companies of the availability of the existing control and the available of the available provided in the available provided in the available provided in the available provided in the available provided and group (arress metric for the terminal flexature, and demonstrate that large-scale models transfer on his offerent corporal (news articles, and Walpeda) exhibit considerable levels of positive is latert representability. The regulatoristic montrol in the proprior beliness metrics which retaining companied levels of persiptive and exeminate similar and exeminate	2019	23	37	7 [{'category': 'Computer	[JournalArticle*]	http://ansiv.org/pdf/1904.039;	Task
163		V		Reducing Sentiment Bias in Language 5d22b241836e3(207847' https://www.sent Models via Counterfactual Evaluation Generating Sentiment-Preserving Fake	occupations, genders) in the conditioning context using a form of counterfactual evaluation. We quantify sentiment bias by adopting individual and group, financians metrics from the fair machine learning literature, and demonstrate that large-scele modest branch on two different corporations evaluated in evites of blass. He has propose embedding and sentiment prediction-derived regularization on the language moder's latent representations. The regularizations improve fairness metrics white retaining comparable levels of perpiculty and semantic similarity.	2019	58	103	13 [('category': 'Computer	[JournalArticle*]	https://www.aclweb.org/anthi	Evaluation Metrics Bias Language Model Training
164	. 6	✓		Generating Sentimental-Preserving Fake Online Reviews Using Neural Language Models and Their Human- 432eb11c275a4£198147/ https://www.seri.and Machine-based Detection		2019	38	54	9 [('category': 'Computer	[JournalArticle', '	http://arxiv.org/pdf/1907.091	Detection Language Model Machine Training Machine Generated Tex
165		V		Text Generation with Exemplar-based 7550fb9cb88e42 929886i https://www.sen Adaptive Decoding	We propose a novel conditioned but generation model. It draws inspiration from malitional template based but generation techniques, where the source provises the content (i.e., what to say), and the template influences how to say, Building on the successional excessional excession exce	2019	72	43	8 [{'category': 'Computer	"JournalArticle". 1	http://arxiv.org/pdf/1904.044	Training
			_	Denoising based Sequence-to- Sequence Pre-training for Text	This paper presents are sequence-to-sequence (seq2seq) pre-training method PoDA (Prie-training of Denoising Autoencoders), which learns representations suitable for text generation tasks. Unlike encoder-only (e.g., EERT) of codedor by denoising the completed learn of the encoder-only (e.g., EERT) of codedor by denoising the completed learn of the encoder-only (e.g., EERT) of codedor by denoising the completed learn of the encoder-only (e.g., EERT) of codedor by denoising the completed learn of the encoder-only (e.g., EERT) of codedor by denoising the completed learn of the encoder-only (e.g., EERT) of codedor by denoising the completed learn of the encoder-only (e.g., EERT) of the encoder of the encoder-only (e.g., EERT) of the encoder of the encoder-only (e.g., EERT) of the encode							
166				44dde89e3adb67 201309 <u>https://www.seri</u> Generation	using any task-specific techniques and significantity speed up convergence. Many studies on (Dilly) inhardinther Task Exposition (FIRE) special has been been does do building date of the art models for line recognition on small corpora. However, adding HTR capability to a large scale of line of the studies of the studi	2019	64	32	6 [['category': 'Computer	"JournalArticle", 1	https://www.aclweb.org/anthr	Task Training
167				A Scalable Handwritten Text 512b23554557bt 126180 https://www.sea Recognition System	comparate accuracy with LS 1M asset models while allowing for better parallelism in training and inference. Finally, we present a simple way to integrated firm dodes into an OCR system. These constitute a solution to bring HIR to papelily into a large scale OCR system. With the repetition of the high participation of the high pa	2019	33	50	4 [('category': 'Computer	[JournalArticle', '	http://anxiv.org/pdf/1904.091/	Cost
174	. [✓	TS-RNN: Text Steganalysis Based on be39e80abe07c4 170079: https://www.sert	With the rapid development of natural language processing inchandings, more and more test desproagable methods based on automatic less of general controlled to the controlled of the processing and feature excellent and life of the resource excellent and less of	2019	32	43	8 [('category': 'Computer	[JournalArticle*]	http://anxiv.org/pdf/1905.130J	Detection
175		✓		Data-to-text Generation with Entity 416e3ffff2fe2d43 174801; https://www.sen Modeling	Recent approaches data-beted presentation strain (services) or an expense against each strain search and the application of neural network architectures which are trained end-to-end. These models rejo or representation learning to select content appropriately, structure it conferency and restallate of page 18 and 18	2019	47	87	25 [['category': 'Computer	"JournalArticle", 1	https://www.aciweb.org/anthi	Text Generation (None)
				Neural data-to-text generation: A	man the proposed motion complement configuration can form an evaluation. Transformally, most data for complete form of the size of the si							
176		V		comparison between pipeline and end- 33fbaf34fa0119e 201686- https://www.serr to-end architectures	Modern Machine Translation (MT) systems perform remarkably well on clean, in-domain text. However most of the human generated text, particularly in the realm of social media, is full of typos, stang, dialect,	2019	34	109	15 [('category': 'Computer	['JournalArticle', '	http://anelv.org/pdf/1908.090;	Text Generation (None)
177		~		Improving Robustness of Machine bdbf835476477e 6785671 https://www.seq Translation with Synthetic Noise Query and Output: Generating Words	Modern Machine Translation (MT) payterns perform manufacility will on dean, inclorate in the However most of the human generated text, particularly in the restin of social media is fail of typos, diago, dislect, incloded and other consistent of that on the particular of the Translation (ATT) in the particular of the	2019	21	66	7 [{'category': 'Computer	"JournalArticle", 1	http://arxiv.org/pdf/1902.095(Machine Machine Generated Text (None)
178		~		by Querying Distributed Word Representations for Paraphrase 0e9f7bdd2f86eb43709841https://www.serj Generation	Less tested in promotion as the temperature of the sequence for the sequen	2018	41	55	3 [{'category': 'Computer	[JournalArticle', '	https://www.aclweb.org/anthi	Paraphrase
183		~		Toward Diverse Text Generation with 8e187ded899fb4 469505t https://www.sent Inverse Reinforcement Learning	Independence of authors sales of the process of the	2018	27	70	12 [{'category': 'Computer	"JournalArticle", 1	https://www.ijcai.org/proceed	NLP Bias Task
				Towards Explainable NLP: A Generative Explanation Framework for	Index oversities losts. Experiment results entertained in an of proposed memor can generate reginer quasity tests star for previous memors. Building equivalents beginner in a certificat profession in the feel of Mustaux Languages Processing (MP-I) amon cent results established provides on explaintations for the productions in the feel of Mustaux Languages Processing (MP-I) amon cent results established provides an object of the provides of t							
184			☑	Putting the Horse before the Cart: A	Auditivity eleanon general control (a) is a clear up or distillating the area. In all the control of the contro	2018	32	96	10 [('category': 'Computer	'JournalArticle', 1	http://anxiv.org/pdf/1811.001\$	NLP
185		V		588809bb1017d; 202577i https://www.seq Question-Generation from Text	widely used SOA/LD benchmark as per both automatic and human evaluation. Machine learning IV, and Natural Language Processing (IVL) Processin	2018	31	31	4 [['category': 'Computer	[JournalArticle]	https://www.aciweb.org/anth	NLP
186			Z	Generation of Synthetic Electronic 08e1a2c85cc205 544574(https://www.sen/Medical Record Text	these problems, we developed a monde to generate symitate; but of subtice called Rescal fact connectation Adversarian Neutricut for MIGAN. It is based on the GAN trainments and strainfact by the stable Child. State for the GAN trainments and strainfact by the stable Child. State for the dataset. The excellents below that the member calls are upon the connectation of the connectation	2018	24	39	2 [{'category': 'Computer	['JournalArticle', '	http://anxiv.org/pdf/1812.0275	NLP Machine
188		~		Towards Controllable Generation of	the input, write renecting the fuency and variety or numan-generated sext. In this paper, we report experiments with NLS models that can be used in task one-filed dislogue systems, we expore the use of additional input to the model to encourage diversity and control of outputs. While our submission does not rank highly using authorized submission deed to encourage diversity and control of outputs. While our submission does not rank highly using authorized submission and enerated utterances success the use of additional	2018	37	14	4 [('category': 'Computer	[JournalArticle*]	https://www.aclweb.org/anthi	Natural Language Generation Controllable
				Text Simulification without Simulified	Information in neural network NLC systems to be a promising research direction. The straptification is the test of reventing conjugite less that is surprised from while preserving its meaning. Systems that automatically pursue this task can potentially be used for assisting reading comprehension of less templage-competed people, such as learness and children. Such systems would also improve the performance of other Natural Language Processing policitation and advantages and a substance of the processing Current early has the policitation and policitation and advantages and a substance of the policy of the policy of the policy of the processing Current early has the policy of the policy and policy and policy of the polic							
189		V		5878f7c04dfff38f 670762f https://www.sert Corpora Sequence-to-Sequence Models for Data-to-Text Natural Language Generation: Words vs. Characters	construct a special-paraties corpus for the stimpinization in this rate of construction and present participation of the stimpinization in this rate of the stimpinization in this rate of the stimpinization in the stimpinization of the stimpinization in the stimpinization of the stimpin	2018	126	8	3 [{'category': 'Computer S	Science', 'source'	https://www.istage.jst.go.jp/a	Natural Language Generation Task
190		V		3833217cdee7et 529650 https://www.seri based Processing and Output Diversity	neural models to learn novel combinations of the templates and thereby generalize beyond the linguistic structures they were trained on.	2018	59	22	2 [['category': 'Computer	['JournalArticle']	https://www.aclweb.org/anth	Natural Language Generation

191		7a788895b494et 508044 https://www	Unsupervised Natural Language Generation with Denoising sen Autoencoders	Generating lost from structured data is important for various tasks such as question answering and dialog systems. We show that in at least one domain, without any supervision and only based on unlabeled text, we are able to build a Natival Language Generation (VLG) systems with higher performance from the supervised sproproaches, in our approach, we interpret the softward exterpret that softward exterpret the softward exterpret that the softward exterpret the softward exterpret the softward exterpret the softward exterpret that the softward exterpret exterpret that the softward exterpret that the softward exterpret exterpret that the softward exterpret exterpret exterpret exterpret that the softward exterpret exterpret exterpret that the softward exterpret ex	2018	25	37 2 [[Category: 'Comp	uter ['JournalArticle', '	https://www.aclweb.org/anthi	Natural Language Generation
192		37626706h06e8r 4693921https://www	Natural language generation for seri electronic health records		2018	38			https://www.nature.com/artic	
192	<u> </u>	3/62/6/0600/feot 469392; https://www.	sen electronic nearth records	Previous work approaches the SQL-to-text generation task using vanils Seq2Seg models, which may not fully capture the inherent graph-structured information in SQL query. In this paper, we propose a graph-to-	2018	38	55 2 ((category : Comp	uter (JournalArticle)	https://www.hature.com/artic	Natural Language Generation
193	П	26a57aca3cfc78-522823!https://www.	SQL-to-Text Generation with Graph-to- serr Sequence Model	Previous work approaches the SOL-to-text generation task using vanilla Seg/Seq models, which may not fully capture the inherent graph-structured information in SOL query. In this paper, we propose a graph-to-sequence model to encode the global structure information into node embeddings. This model can effectively learn the correlation between the SOL query pattern and its interpretation. Experimental results on the WMSOL distance and Salkovierflow distance those that our model outperforms the Sec@Cean in Tex2SecQ sealers, actively the state for the experimental results on the WMSOL distance and solvened in the state of the outperforms the Sec@Cean in Tex2SecQ sealers, actively the state for the experiments.	2018	24	54 4 [l'category: 'Comp	uter ClournalArticle' 1	https://www.aclweb.org/anthr	Language Model LTask
				wisou. Causant are a subservior desired from the control outperforms the subject and intellecting seathers, so lettering the state demand and produced in the property of the control of the subject in the property of the control of the subject in the property of the control of the subject in the property of the control of the subject in the property of the control of the subject in the property of the control of the subject in the subject				(
				by the back-translation technique proposed in the field of machine translation, we build a neural text-loc-encoder model which predicts a sequence of hidden states extracted by a pre-trained EZE-ASR encoder from a sequence of characters. By using hidden states as a target instead of acoustic features, it is possible to achieve faster attention learning and reduce computational cost, thanks to sub-sampling in EZE-ASR.						
			Back-Translation-Style Data	encoder, also the use of the hidden states can svoid to model speaker dependencies unlike acoustic features. After training, the text-to-encoder model generates the hidden states from a large amount of unpaired that the FCF-ASR decoder is retrained using the encerated hidden states as additional stations data. Exempted evaluation using hidden states that the contraction of the contraction o						
194	$\overline{\mathbf{Z}}$	3edfccbe6adf18f 5187904 https://www.	ser Augmentation for end-to-end ASR	improvement of ASR performance and reduces the number of unknown words without the need for paired data.	2018	31	80 3 [('category': 'Comp	uter ['JournalArticle']	http://arxiv.org/pdf/1807.108	Language Model Training Cost
				improvement of whice pertormations and reduces the number of unabsolute violes without here need for passes oats. We proque as large many clienter for braining persual faringage models. Conventionally, needless are basined by minimizing persiption (FI) or programmedic sentences. However, we demonstrate the persual faringage models are basined by minimizing persiption (FI) or programmedic sentences. However, we demonstrate the persual faringage models are basined by minimizing persiption. The programmedic sentences, the persual						
195		ac5925e0be969f 2911371bttps://www	sen Large Margin Neural Language Model	specific sense. It is trained end-to-end and can be widely applied to tasks that involve re-scoring of generated text. Compared with minimum-PPL training, our method gains up to 1.1 WER reduction for speech recognition and 1.0 RI FI Linguistic translation.	2018	48	22 2 [('category': 'Comp	uter ClournalArticle' 1	https://www.aclweb.org/anthr	Language Model Task Training
_				The promise of combining language and vision in multimodal machine translation is that systems will produce better translations by leveraging the image data. However, the evidence surrounding whether the						
_	_		Adversarial Evaluation of Multimodal sen Machine Translation	The grame of combining language and vision in multimodal machine translation is that systems will produce better translations by leveraging the image data. Browners, the evidence surrounding whether the images are useful is combining due to insortisence between test enimitary whereis and many applicants. We present an adversarial evaluation to develop waters to the stress of the production of the data. Our evaluation tests whether systems perform better withen pasted with congruent mapses or inconquent mapses. This evaluation shows that only one out of three publicly available systems is sensible to this perturbation of the data. We recommend that multimodal translation systems stoud to deal to ease the sush the south of the data.						
198		32a64831c7a50e530826; https://www	Serr Machine Translation Generation of Company descriptions	perturbation of the data. We recommend that multimodal translation systems should be able to pass this sanity check in the future.	2018	14	64 5 [{'category': 'Comp	uter ['JournalArticle', '(https://www.aclweb.org/anthr	Evaluation Metrics
			using concept-to-text and text-to-text deep models: dataset collection and	In this paper we study the performance of several state-of-the and exagence to exequence modes applied to generation of short consequence for the several state of the and exagence to execute and publicly available commany indicated that has been collected for well-kipsclin. It desides consists of sound 6f k company descriptions that one to extend for this company descriptions and for the several consequence for the contract of the several contract of the sev						
199		a446e4648fd680 532449t https://www	deep models: dataset collection and sen systems evaluation	metrics and human evaluation scores computed on the generated company descriptions show promising results despite the difficulty of the task as the dataset (like most available datasets) has not been originally descriped in an addition, we perform correlated to between automatic metrics and must evaluations and show that certain automatic metrics are more correlated to human judgments.	2018	22	14 3 [('category': 'Comp	uter ['JournalArticle']	https://www.aclweb.org/anthr	Evaluation Metrics Machine Task
				Learning to generate fluent natural impagage from structured data with neural networks has become an common approach for NLG. This problem can be challenging when the form of the structured data wries between examples. This per presents a survey of several exherisons to sequence be sequence modes to account for the latent contrast exhering present part and an orienge decoding. We further propose a training method based on deviene ensembling be encourage models to be learn distinct sentence templates during training. An empirical evaluation of these techniques shows an increase in the quality of persented text accounts as was also have an evaluation.						
200	П	2de437173h448C529820Ehttps://www	End-to-End Content and Plan	demoken eXamily further in impose a training method based on diverse examinating encourage media to learn distinct sortions as diverse templates described in the property of	2018	43	65 3 (l'category': 'Comp		https://www.aclweb.org/anthi	Evaluation Metrics Automated
200		208437173044840290200 <u>111057/WWW</u>	Automated learning of templates for	increase in the quality of generated text across two automated ments, as well as number evaluation. The current study investigated novel techniques and methods for trainable approaches to data-to-text generation. Neural Machine Translation was explored for the conversion from data to text as well as the	2018	43	65 3 ((category: Comp	uter (JournalArticle,	https://www.aciweo.org/anth	Evaluation Metrics Automated
			data-to-text generation: comparing rule-based, statistical and neural	The current study investigated novel techniques and methods for trainable approaches to data-to-text generation. Neural Machine Translation was explored for the conversion from data to text as well as the addition of extra templatization steps of the data input and text output in the conversion process. Evaluation using BLEU did not find the Neural Machine Translation technique to perform any better compared to						
201		bd165c3cb827d8 532465(https://www	sen methods	rule-based or Statistical Machine Translation, and the templatization method seemed to perform similarly or sometimes worse compared to direct data-to-text conversion. However, the human evaluation metrics indicated that Neural Machine Translation yielded the highest quality output and that the templatization method was able to increase text quality in multiple situations.	2018	39	12 3 [['category': 'Comp	uter ['JournalArticle']	https://www.aclweb.org/anthr	Evaluation Metrics Machine Automated
				inclusions that vicaria autorities intrastisticity precise the ingrise (quarty output and state steep passassion memors was also in oracises lack quarty in murgine suitability, the end of quarticity precised passassion in earlier group precisions in earlier group precisions, in earlier group precisions, in earlier group precisions, and oracle group precisions passaggian and some of its best fragments (i.e., autores) that we want to ask questions about, a DUG in expenditure direction and precisions each of which has a given that fragment as its answer, and meanantise the generation is under the control of specified effolially about the propose an enable-end framework to generate questions and of shall folially also with precisions and of softially also with precisions and of softially also with precisions and officially ended in the propose an enable-end framework to generate questions of disclosury the ended from the precision of specified propose and enable ended from the propose and enable ended from the precision of the propose and the						
			Difficulty Controllable Generation of	that agreement is as any or a second control of the						
202		bd39ac452ebede 7114731https://www	ser Reading Comprehension Questions	uses, we propose all introduction maintenance to getterate questions or designated uniform properties of the proposed in this transfer or the standard or the properties of th	2018	35	35 2 [{'category': 'Comp	uter ['JournalArticle', '	https://www.ijcai.org/proceed	Evaluation Metrics Controllable
				We introduce and illustrate a new approach to measuring and miligating unintended bias in machine learning models. Our definition of unintended bias is parameterized by a test set and a subset of input features. We illustrate how this can be used to audistinct set of service a unified test set and a subset of imput features.						
				training data can lead to unintended bias in the resulting models, and therefore potentially under applications. We use a set of common demographic identity terms as the subset of input features on which we will be a possible of the common demographic identity terms as the subset of input features on which we						
03 🗆		44fc8d79fb8e0f8 549971thttps://www	Measuring and Mitigating Unintended sen Bias in Text Classification	We introduce and illustrate a rise approach to measuring and stigating universeled tales in machine teaming models. Our deficition of invalence to late a great particular to a state of input features. We illustrate how the can be used to evaluate the classifies using a symbolic class at and a solubility compared compared and compared for the product of the state and as stated of imput features, the introduced for the compared to the state of t	2018	13	501 98 [['category': 'Comp	uter ['JournalArticle', '	https://dl.acm.org/doi/pdf/10.	Bias
			A Reinforced Topic-Aware	In this paper, we propose a deep learning approach to lastice the substance construction least by incorporating topic information in the convolutional sequence because to Chronic Standard and using self-confess sequence interruption (SSCST) for opinisms (SST) for opinisms (In Travity) printy setting to begin and word level adjument, or approach can improve coherence, deershy, and forestimate invariates in a labsed probability generation mechanisms. On the other hand, rendocement training, like SCST, directly opinisms the proposed mode with respect to the non-Artiferentiable metric ROUGE, which also avoids the cooperation and the proposed mode in the proposed mode with respect to the non-Artiferentiable metric ROUGE, which also avoids the cooperation and the proposed mode in the proposed mode with respect to the non-Artiferentiable metric ROUGE, which also avoids the cooperation and the proposed mode with the proposed mode with respect to the non-Artiferentiable metric ROUGE, which also avoids the cooperation and the proposed metric and the propos						
			Convolutional Sequence-to-Sequence Model for Abstractive Text	biased probability generation mechanism. On the other hand, reinforcement training, like SCST, directly optimizes the probability person and insurance or generate during an about the biased probability generation mechanism.						
04		7b614fef7c9469(136632(https://www		exposure bias during inference. We carry out the experimental evaluation with state-of-the-art methods over the Gigaword, DUC-2004, and LCSTS datasets. The empirical results demonstrate the superiority of our proposed method in the abstractive summarization.	2018	51	110 9 [['category': 'Comp	uter ['JournalArticle', '	https://www.ijcai.org/proceed	Bias
				propose removal new assume summurations. In recent times, sequence to sequence (sequence) conjugate and of of populantly and provide state of the art performance in a wide variety of tasks, such as machine translation, headling generation, text summarization, speech to better conversion, and mage caption generation. The underlying transcent for all rese models is usually a deep neural network comprising an excised exist as decided. Although simple generation models, and set of station for some conversion of the second of the sec						
				summarization, specially conduct and the state of the sta						
				generation modes, and serr-attention modes. However, such sequesty modes such modes from the common process or a fact and a financial representation of the second of the						
				and provide a formulation combining the power of RL methods in decision-making with seq2seq models that enable remembering long-term memories. We present some of the most recent frameworks that combine the concepts from RL and deep neural networks. Our work aims to provide insights into some of the problems that inherently arise with current approaches and how we can address them with better RL models. We						
105	П	15a06d8601539t 4406301https://www.	Deep Reinforcement Learning for sen Sequence-to-Sequence Models	also provide the source code for implementing most of the RL models discussed in this paper to support the complex task of abstractive text summarization and provide some targeted experiments for these RL models, both in therms of performance and training time.	2018	190	138 7 [l'category: 'Comp	uter ClournalArticle' '	http://apxiv.org/pdf/1805.094(Rise
	-	10000000100014400001	ocquerio-to-ocquerio mosco	In this paper, we focus on the problem of building assistive systems that can help users to write reviews. We cast this problem using an encoder-decoder framework that generates personalized reviews by	2010	150	100 / (Calegory Comp	ater [dournas-tree,	INCLINIAL SEGUE TONS SECTION	
			Personalized Review Generation By	In this space, we focus on the problem of hailing assistive system that can bely users to write reviews. We can this problem using an encoder decoder famoured hit algerisative processaries, and the problem is the problem of the pro						
106	П	0e05e7705561c; 291614; https://www.	Expanding Phrases and Attending on ser Aspect-Aware Representations	generating coherent and diverse reviews. In addition, the learned aspect-aware representations discover those aspects that users are more inclined to discuss and bias the generated text toward their personalized aspect preferences.	2018	22	51 4 (l'category': 'Comp	utas PlausaalAstiala' !	https://www.aclweb.org/anthr	Bias
200		0e03e7703301C; 291014; <u>IIIQS7/WWW</u>	Aspect-Aware Representations	aspect, precerances. Although various techniques have been proposed to generate adversarial samples for white-box attacks on text, little attention has been paid to a black-box attack, which is a more realistic scenario. In this paper,	2010	22	51 4 (Category: Comp	utei (sournaizuticie,	Imps/www.acweb.org/arms	Dias
				we present a novel algorithm. DeepWordBug, to effectively generate small text perturbations in a black-box setting that forces a deep-learning classifier to misclassify a text input. We develop novel scoring startenies for find the most immortant words to modify such that the deep classifier makes a wornon prediction. Simple character-level-vel transformations are anotified in the highest-practed under in order to minimize the						
			Black-Box Generation of Adversarial Text Sequences to Evade Deep sen Learning Classifiers	Although various schringes have been reposed to generate adversarial samples or white-loss attacks on loss. Ifter attention has been paid to a block-hos statisked, which is a more resistant construction. Which is a more resistant construction of the paid of						
207		fa12574c228542 485817; https://www	ser Learning Classifiers		2018	33	424 84 [{'category': 'Comp	uter ['JournalArticle', '	https://ieeexplore.ieee.org/ie	Privacy
				We address the problem of how to "obtuscate" texts by removing stylistic clues which can identify authorship, whilst preserving						
				(as much as possible) the content of the text. In this paper we combine						
				ideas from "generalised differential privacy" and machine learning techniques for text processing to model privacy for text documents. We define						
				ideas from "generalised differential privacy" and machine learning techniques for text processing to model privacy for text documents. We define a privacy mechanism that operates at the level of feet documents represented as "bags-of-words"—these representations are typical in machine learning and continuing sufficient information to carry out mark into						
				ideas from "generalised differential prinary" and mulcinie learning exhirques for text of processing to mode privacy for text documents. We define a primary mechanism that operates at the level of lest documents represented as "bags-of-where propersentials are higher and markine representations are typical in markine." In a markine in termination to carry out many locks of consistent and understand in text and understand in the state of the description of the consistent and understand representation state of the description of the description of the consistent and understand representation state of the description of the description of the consistent and understand representation states of the description of the consistent and understand representations are described to the consistent and understand representation and understand representations are described as the consistent and understand representation are described as the consistent and understand representations are described as the consistent and understand represent						
				ideas from "generalised differential princey" and mulcinic learning extensiones for tend processing to model princey for tend documents. We define a princay mechanism has operates at the level of end documents represented as "bags-of-tend"—where representations are higher another learning and contain sufficient information to carry out many kinds of containing the contraction and authority in instruction. The contraction is a support of the contraction of the contr						
	_		Generalised Differential Privacy for	ideas from "generalised differential privacy" and mulcinie issaming beriniques for text opcounters (a) model privacy for text documents. We define a privacy involvement and properties at the contract of the privacy involvement of the privacy for text documents. We define a privacy involvement and the operation and such contract of the privacy involvement of the privacy interface of the privacy interface of the privacy interface of the privacy interface of the privacy with respect to a merit for semantic sites and such privacy with respect to a merit for semantic sites interface of the privacy with respect to a merit for semantic site of the privacy with respect to a merit for semantic site of the privacy with respect to a merit for semantic site of the privacy with the privacy of the						
08 🗆	☑	6552e#333ad61{ 5377494 https://www.	Generalised Differential Privacy for sen Text Document Processing	We address the problem of how to 'roblascate' texts by removing stylistic cases which can derively advantage, which preserving (see much as possible) the content of the fact. It this paper we contain (see much as possible) the content of the fact. It this paper we contain (see much as possible the content of the fact that the paper we contain (see much as possible to the content of the fact that the paper we contain (see much as produced as the paper as the fact of the documents sepresented as 'taspe of words'—these representations are typical in machine learning and contain sufficient information to carry out many locks of containing and contain sufficient information to an advantage that buildon(of the original documents). We show that our mechanism satisfies described to the sufficient production of advantage and the part of the containing of the conta	2018	58	62 13 [[category: Comp	uter [JournalArticle]	https://link.springer.com/con/	Privacy
08 🗆	2	6552eff333ad61f 537749-https://www		ideas tom 'spermatised differential privacy' and mulcinia learning betriviques for text of processing to model privacy for text of documents. We define a privacy involvant and the operation is the control of the object of the	2018	58	62 13 [{Category: 'Comp	uter ['JournalArticle']	https://link.springer.com/con/	Privacy
			Big Data in Public Health:	ideas tion "specialised differential princey" and mulcinie learning betriniques for text processing to model privacy for text documents. We define a privacy inchanged in the processing of the privacy with respect to a meltic price identification and authority although on of the original documents). We show that our mechanism assisted privacy with respect to a merit for semantic admissible, thereby providing a babance believes milky defined by the semantic content of dests, with the distinction of a system clear. We demonstrate our implementation on a "far foliar" distance, confirming that it is indeed possible, which is the processing of the processing		58				
08 🗆		6652eff333ad61f 537749-https://www.	Big Data in Public Health:	paction. This review explores several key issues that how existen around big data. First, we process a successory of sources of 16g data to clarify terminology and identify threads common across some subtypes of big data. But we consider common public health research and practice uses for big data, including surveillance, hypothesis generality research, and causal reference, while exploring the red ball making may play in each set. We then consider the ethical implications of the big data evolution with particular emphasis on maintaining appropriet cere for privary in a world in which leterality as register.	2018	58			https://link.springer.com/con/	
			Big Data in Public Health: Terminology, Machine Learning, and Privacy.	paction. This review explores several key issues that how existen around big data. First, we process a successory of sources of 16g data to clarify terminology and identify threads common across some subtypes of big data. But we consider common public health research and practice uses for big data, including surveillance, hypothesis generality research, and causal reference, while exploring the red ball making may play in each set. We then consider the ethical implications of the big data evolution with particular emphasis on maintaining appropriet cere for privary in a world in which leterality as register.		58				
09 🗆	3	6a028cc26d7ece 4530890 https://www.	Big Data in Public Health: Terminology, Machine Learning, and Privacy. Machine learning and genomics: precision medicine versus patient	paction. This review explores several key issues that how existen around big data. First, we process a successory of sources of 16g data to clarify terminology and identify threads common across some subtypes of big data. But we consider common public health research and practice uses for big data, including surveillance, hypothesis generality research, and causal reference, while exploring the red ball making may play in each set. We then consider the ethical implications of the big data evolution with particular emphasis on maintaining appropriet cere for privary in a world in which leterality as register.	2018	58	212 4 [{'category': 'Medic	ine', ['Review', 'Journs	https://www.annualreviews.o	Privacy
09 🗆	⊠		Big Data in Public Health: Terminology, Machine Learning, and Privacy.	practice. This evidew explores several key issues that have arisen acrord big data. First, we propose a Sucromy of sources of big data but carrily terminology and disethly threads common across some subtypes of big data. Mexic we consider common position exhibits received from the consider common position desired from the consider common position exhibits received from the consider threads and indications of the big data recordation with particular emphasis on maintaining appropriate care for privacy in a world in which technology is rapidly charging social emmer regarding the need for indicate emphasis on maintaining appropriate care for privacy in a world in which technology is rapidly charging social emmer regarding the need for indicate emphasis on maintaining appropriate care for privacy in a world in which technology is rapidly charging social emmer stempling the need for red even the meaning of privacy. Firstly, we make suggestions regarding shoulding exhibits after similar plus sucreased in which the district plus and an advantage of the similar plus social threads and advantage of the similar p		58 141 68		ine', ['Review', 'Journs		
99 🗆	3	6a028cc26d7ece 4530890 https://www.	Big Data in Public Health: Terminology, Machine Learning, and seat Privacy. Machine learning and genomics: precision medicine versus patient seat privacy	practice. This evidew explores several key issues that have arisen acrord big data. First, we propose a Sucromy of sources of big data but carrily terminology and disethly threads common across some subtypes of big data. Mexic we consider common position exhibits received from the consider common position desired from the consider common position exhibits received from the consider threads and indications of the big data recordation with particular emphasis on maintaining appropriate care for privacy in a world in which technology is rapidly charging social emmer regarding the need for indicate emphasis on maintaining appropriate care for privacy in a world in which technology is rapidly charging social emmer regarding the need for indicate emphasis on maintaining appropriate care for privacy in a world in which technology is rapidly charging social emmer stempling the need for red even the meaning of privacy. Firstly, we make suggestions regarding shoulding exhibits after similar plus sucreased in which the district plus and an advantage of the similar plus social threads and advantage of the similar p	2018	58 141 68	212 4 [{'category': 'Medic	ine', ['Review', 'Journs	https://www.annualreviews.o	Privacy
09	☑ ☑	6a028cc26d7ece 4530890 https://www.	Big Data in Public Health: Terminology, Machine Learning, and Privacy. Machine learning and genomics: precision medicine versus patient	paction. This review explores several key issues that have a since around by data. First, we propose a taxonomy of sources of big data but outly terminoding and less from the propose and the propose as a transmission of the propose	2018	58 141 68	212 4 [{Category: Medic	ine', ['Review', 'Journs	https://www.annualreviews.co https://www.annualreviews.co https://www.annualreviews.co https://www.annualreviews.co	Privacy
09	▽	6a028cc26d7ece 453089\https://www. cf316d1a0253cei 369999i https://www.	Big Data in Public Health: Terminology, Machine Learning, and seat Privacy. Machine learning and genomics: precision medicine versus patient seat privacy	paction. This review explores several key issues that have a since around by data. First, we propose a taxonomy of sources of big data but outly terminoding and less from the propose and the propose as a transmission of the propose	2018	141	212 4 [{Category: Medic	ine', ['Review', 'Journs uter ['Review', 'Journs	https://www.annualreviews.co https://www.annualreviews.co https://www.annualreviews.co https://www.annualreviews.co	Privacy
09	▽	6a028cc26d7ece 453089\https://www. cf316d1a0253cei 369999i https://www.	Big Data in Public Health: Terminology, Machine Learning, and accommoday, Machine Learning, and accommoday, Machine Learning, and privacy. Machine learning and genomics: precision medicine versus patient accommoday. Learning Neural Templates for Text send Generation	paction. This review explores several key issues that have a since around by data. First, we propose a taxonomy of sources of big data but outly terminoding and less from the propose and the propose as a transmission of the propose	2018	141	212 4 [{Category: Medic	ine', ['Review', 'Journs uter ['Review', 'Journs	https://www.annualreviews.co https://www.annualreviews.co https://www.annualreviews.co https://www.annualreviews.co	Privacy
10 12	▽	6a028cc26d7ece 453089\https://www. cf316d1a0253cei 369999i https://www.	Big Data in Public Health: Terminology, Machine Learning, and sort Privacy. Machine learning and genomics: proteion medicine versus patient see privacy Learning Neural Templates for Text see Controllable Text	paction. This review explores several key issues that have arisen around big data. First, we propose a taxonomy of sources of big data but outly terminoding and delicity ferminoding and better than the propose and the propose as a successory of sources of big data but outly terminoding and elicities previously and the propose as a successory of sources of big data but outly terminoding and elicities previously and the propose as a successor of the prop	2018	141	212 4 [{Category: Medic	ine', ['Review', 'Journs uter ['Review', 'Journs uter ['JournalArticle', '	https://www.annualreviews.co https://www.annualreviews.co https://www.annualreviews.co https://www.annualreviews.co	Privacy Privacy Controllable Text Generation (None)
10 112	2	6a028cz8647ece 4530894 <u>https://www.</u> cf316d1a0253ce 3699994 <u>https://www.</u> 912a6c5a32d504 521361 <u>https://www.</u>	Big Data in Public Health: Terminology, Machine Learning, and sort Privacy. Machine learning and genomics: proteion medicine versus patient see privacy Learning Neural Templates for Text see Controllable Text	paction. This review explores several key issues that have arisen around big data. First, we propose a taxonomy of sources of big data but outly terminoding and delicity ferminoding and better than the propose and the propose as a successory of sources of big data but outly terminoding and elicities previously and the propose as a successory of sources of big data but outly terminoding and elicities previously and the propose as a successor of the prop	2018 2018 2018	141 68 55	212 4 [[category' Medic 36 3 [[category' 'Comp	ine', ['Review', 'Journs uter ['Review', 'Journs uter ['JournalArticle', '	bites://evous.annualrevieus.co httles://royaleocietyss/bishing httles://evous.acheeb.oog/anith	Privacy Privacy Controllable Text Generation (None)
10 12	2	6a028cz8647ece 4530894 <u>https://www.</u> cf316d1a0253ce 3699994 <u>https://www.</u> 912a6c5a32d504 521361 <u>https://www.</u>	Big Data in Public Health: Terminology, Machine Learning, and sort Privacy. Machine learning and genomics: proteion medicine versus patient see privacy Learning Neural Templates for Text see Controllable Text	paction. This review explores several key issues that have arisen around big data. First, we propose a taxonomy of sources of big data but outly terminoding and delicity ferminoding and better than the propose and the propose as a successory of sources of big data but outly terminoding and elicities previously and the propose as a successory of sources of big data but outly terminoding and elicities previously and the propose as a successor of the prop	2018 2018 2018	141 68 55	212 4 [[category' Medic 36 3 [[category' 'Comp	ine', ['Review', 'Journs uter ['Review', 'Journs uter ['JournalArticle', '	bites://evous.annualrevieus.co httles://royaleocietyss/bishing httles://evous.acheeb.oog/anith	Privacy Privacy Controllable Text Generation (None)
10 112	2	6a028cz8647ece 4530894 <u>https://www.</u> cf316d1a0253ce 3699994 <u>https://www.</u> 912a6c5a32d504 521361 <u>https://www.</u>	Big Data in Public Health: Terminology, Machine Learning, and sort Privacy. Machine learning and genomics: proteion medicine versus patient see privacy Learning Neural Templates for Text see Controllable Text	paction. This review explores several key issues that have arisen around big data. First, we propose a taxonomy of sources of big data but outly terminoding and delicity ferminoding and better than the propose and the propose as a successory of sources of big data but outly terminoding and elicities previously and the propose as a successory of sources of big data but outly terminoding and elicities previously and the propose as a successor of the prop	2018 2018 2018	141 68 55	212 4 [[category' Medic 36 3 [[category' 'Comp	ine', ['Review', 'Journs uter ['Review', 'Journs uter ['JournalArticle', '	bites://evous.annualrevieus.co httles://royaleocietyss/bishing httles://evous.acheeb.oog/anith	Privacy Privacy Controllable Text Generation (None)
10 112 12 13		6a028cz26d7ece 453089 tatos //www. ct316d1a0253ce 360999 tatos //www. 912a6c5a32d50f 5213511 tatos //www. b6439688a2cz82 521981 tatos //www.	Big Data in Public Health: Terminology, Machine Learning, and sort Privacy. Machine learning and genomics: proteion medicine versus patient see privacy Learning Neural Templates for Text see Controllable Text	paction. This review explores several key issues that have arisen around big data. First, we propose a taxonomy of sources of big data but outly terminoding and delicity ferminoding and better than the propose and the propose as a successory of sources of big data but outly terminoding and elicities previously and the propose as a successory of sources of big data but outly terminoding and elicities previously and the propose as a successor of the prop	2018 2018 2018 2018	141 68 55	212 4 [[category: Medic 36 3 [[category: Comp 176 13 [[category: Comp 21 4 [[category: Comp	ine', [Review', 'Journal uter [Review', 'Journal uter [JournalArticle', ' uter [JournalArticle', '	titles/leves atmusterciess.c	Privacy Privacy Controllable Text Generation (None) Controllable
10	2	6a028cz8647ece 4530894 <u>https://www.</u> cf316d1a0253ce 3699994 <u>https://www.</u> 912a6c5a32d504 521361 <u>https://www.</u>	Big Data in Public Health: Terminology, Machine Learning, and sort Privacy. Machine learning and genomics: proteion medicine versus patient see privacy Learning Neural Templates for Text see Controllable Text	paction. This review explores several key issues that have arisen around by data. First, we propose a standormy of sources of big data but using the conductor common public half-based and an artist of the conductor of the public half-based and public half-based an	2018 2018 2018	141 68 55	212 4 [[category: Medic 36 3 [[category: Comp 176 13 [[category: Comp 21 4 [[category: Comp	ine', [Review', 'Journal uter [Review', 'Journal uter [JournalArticle', ' uter [JournalArticle', '	bites://evous.annualrevieus.co httles://royaleocietyss/bishing httles://evous.acheeb.oog/anith	Privacy Privacy Controllable Text Generation (None) Controllable
9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		6a028cz26d7ece 453089 tatos //www. ct316d1a0253ce 360999 tatos //www. 912a6c5a32d50f 5213511 tatos //www. b6439688a2cz82 521981 tatos //www.	Big Data in Public Health: Terminology, Machine Learning, and sort Privacy. Machine learning and genomics: proteion medicine versus patient see privacy Learning Neural Templates for Text see Controllable Text	paction. This review explores several key issues that have arisen around by data. First, we propose a standormy of sources of big data but using the conductor common public half-based and an artist of the conductor of the public half-based and public half-based an	2018 2018 2018 2018	141 68 55	212 4 [[category: Medic 36 3 [[category: Comp 176 13 [[category: Comp 21 4 [[category: Comp	ine', [Review', 'Journal uter [Review', 'Journal uter [JournalArticle', ' uter [JournalArticle', '	titles/leves atmusterciess.c	Privacy Privacy Controllable Text Generation (None) Controllable
0 0 2 2 3 3 0 4 0 0		6a028cc26d7ece 453089 https://www. cl316d1a0253cei 366999f; https://www. 912a0c5a32d90f 521361; https://www. b5439688a2ccd2 521981; https://www. b093ba43119bfc 4662241 https://www.	Big Data in Public Health: Temprology, Machine Learning, and tem Privacy. Machine learning and genomics: procision medicine versus patient tem privacy Learning Neural Templates for Text Cerceriation Ususpervised Controllable Text A Comparison Between STRAIGHT, Global, and Sinuscidal Vecoding in AComparison Servenine Speech	pastion. This review explores several key issues that have arisen around by data. First, we propose a standormy of sources of big data for the view conductor common path in other several and practice as the several properties of the properties of	2018 2018 2018 2018	141 68 55	212 4 [[category: Medic 36 3 [[category: 'Comp 176 13 [[category: 'Comp 21 4 [[category: 'Comp 38 3 [[category: 'Comp	ine', [Review', 'Journal uter' [Review', 'Journal uter' [JournalArticle', ' uter' [JournalArticle', ' uter' [JournalArticle']	titles/leves atmusterciess.c	Privacy Privacy Controllable Text Generation (None) Controllable Controllable
0 0 2 2 3 3 0 4		6a028cc26d7ece 453089 https://www. cl316d1a0253cei 366999f; https://www. 912a0c5a32d90f 521361; https://www. b5439688a2ccd2 521981; https://www. b093ba43119bfc 4662241 https://www.	Big Data in Public Health: Temprology, Machine Learning, and tem Privacy. Machine learning and genomics: procision medicine versus patient tem privacy Learning Neural Templates for Text Cerceriation Ususpervised Controllable Text A Comparison Between STRAIGHT, Global, and Sinuscidal Vecoding in AComparison Servenine Speech	pastion. This review explores several key issues that have arisen around by data. First, we propose a standormy of sources of big data for the view conductor common path in other several and practice as the several properties of the properties of	2018 2018 2018 2018 2018	141 68 55 32	212 4 [[category: Medic 36 3 [[category: 'Comp 176 13 [[category: 'Comp 21 4 [[category: 'Comp 38 3 [[category: 'Comp	ine', [Review', 'Journal uter' [Review', 'Journal uter' [JournalArticle', ' uter' [JournalArticle', ' uter' [JournalArticle']	totics/hower annual recience a three-flexy along the production of the flexy and the flexy flexy flexy and the flexy f	Privacy Privacy Controllable Text Generation (None) Controllable Controllable
12 13 14		6a028cc26d7ece 453089 https://www. cl316d1a0253cei 366999f; https://www. 912a0c5a32d90f 521361; https://www. b5439688a2ccd2 521981; https://www. b093ba43119bfc 4662241 https://www.	Big Data in Public Health: Temprology, Machine Learning, and tem Privacy. Machine learning and genomics: procision medicine versus patient tem privacy Learning Neural Templates for Text Cerceriation Ususpervised Controllable Text A Comparison Between STRAIGHT, Global, and Sinuscidal Vecoding in AComparison Servenine Speech	pastion. This review explores several key issues that have arisen around by data. First, we propose a standormy of sources of big data for the view conductor common path in other several and practice as the several properties of the properties of	2018 2018 2018 2018 2018	141 68 55 32	212 4 [[category: Medic 36 3 [[category: 'Comp 176 13 [[category: 'Comp 21 4 [[category: 'Comp 38 3 [[category: 'Comp	ine', [Review', 'Journal uter' [Review', 'Journal uter' [JournalArticle', ' uter' [JournalArticle', ' uter' [JournalArticle']	totics/hower annual recience a bites/hower actives/house actives to conjunction to these flowers actives and conjunction to the solid and conjunction to the solid and conjunction and conjunc	Péracy Péracy Controlable Text Generation (None) Controlable Controlable
10 12 2 13 13 14 14 15		6a028cc26d7ece 4530891 https://www.ct316d1a0253ce 3699991 https://www.ct316d1a0253ce 3699991 https://www.dt36d1a0253ce 3699991 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d2a025d5 https://www.dt36d2a025d5 521361 https:	Big Data in Public Health: Temprology, Machine Learning, and tem Privacy. Machine learning and genomics: procision medicine versus patient tem privacy Learning Neural Templates for Text Cerceriation Ususpervised Controllable Text A Comparison Between STRAIGHT, Global, and Sinuscidal Vecoding in AComparison Servenine Speech	pastion. This review explores several key issues that have arisen around by data. First, we propose a standormy of sources of big data for the view conductor common path in other several and practice as the several properties of the properties of	2018 2018 2018 2018 2018 2018	141 68 55 32	212 4 [[category: Medic 36 3 [[category: Comp 176 13 [[category: Comp 21 4 [[category: Comp 38 3 [[category: Comp	ine, [Review, Journs ter [Review, Journs ter [Review, Journs ter [JournsArticle], ter [JournsArticle], ter [JournsArticle], ter [JournsArticle], ter [JournsArticle],	totics/lower annualmoiness.a. totics/lower activeth org/antip	Privacy Privacy Controllable Text Generation (None) Controllable Controllable Crestive Automated
210		6a028cc26d7ece 453089 https://www. cl316d1a0253cei 366999f; https://www. 912a0c5a32d90f 521361; https://www. b5439688a2ccd2 521981; https://www. b093ba43119bfc 4662241 https://www.	Big Data in Public Health: Temprology, Machine Learning, and tem Privacy. Machine learning and genomics: procision medicine versus patient tem privacy Learning Neural Templates for Text Cerceriation Ususpervised Controllable Text A Comparison Between STRAIGHT, Global, and Sinuscidal Vecoding in AComparison Servenine Speech	paction. This review explores several key issues that have arisen around by data. First, we propose a succommy of sources of big data but outly ferminoding and believe the propose of the	2018 2018 2018 2018 2018	141 68 55 32	212 4 [[category: Medic 36 3 [[category: Comp 176 13 [[category: Comp 21 4 [[category: Comp 38 3 [[category: Comp	ine, [Review, Journs ter [Review, Journs ter [Review, Journs ter [JournsArticle], ter [JournsArticle], ter [JournsArticle], ter [JournsArticle], ter [JournsArticle],	totics/hower annual recience a bites/hower actives/house actives to conjunction to these flowers actives and conjunction to the solid and conjunction to the solid and conjunction and conjunc	Privacy Privacy Controlable Text Generation (None) Controlable Controlable Crestive Automated
210		6a028cc26d7ece 4530891 https://www.ct316d1a0253ce 3699991 https://www.ct316d1a0253ce 3699991 https://www.dt36d1a0253ce 3699991 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d2a025d5 https://www.dt36d2a025d5 521361 https:	Big Data in Public Health: Temprology, Machine Learning, and tem Privacy. Machine learning and genomics: procision medicine versus patient tem privacy Learning Neural Templates for Text Cerceriation Ususpervised Controllable Text A Comparison Between STRAIGHT, Global, and Sinuscidal Vecoding in AComparison Servenine Speech	paction. This review explores several key issues that have arisen around by data. First, we propose a succommy of sources of big data but outly ferminoding and believe the propose of the	2018 2018 2018 2018 2018 2018	141 68 55 32	212 4 [[category: Medic 36 3 [[category: Comp 176 13 [[category: Comp 21 4 [[category: Comp 38 3 [[category: Comp	ine, [Review, Journs ter [Review, Journs ter [Review, Journs ter [JournsArticle], ter [JournsArticle], ter [JournsArticle], ter [JournsArticle], ter [JournsArticle],	totics/lower annualmoiness.a. totics/lower activeth org/antip	Privacy Privacy Controllable Text Generation (None) Controllable Controllable Crestive Automated
110 112 113 114 115 1		6a028cc26d7ece 4530891 https://www.ct316d1a0253ce 3699991 https://www.ct316d1a0253ce 3699991 https://www.dt36d1a0253ce 3699991 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d2a025d5 https://www.dt36d2a025d5 521361 https:	Big Data in Public Health: Temprology, Machine Learning, and tem Privacy. Machine learning and genomics: procision medicine versus patient tem privacy Learning Neural Templates for Text Cerceriation Ususpervised Controllable Text A Comparison Between STRAIGHT, Global, and Sinuscidal Vecoding in AComparison Servenine Speech	paction. This review explores several key issues that have arisen around by data. First, we propose a succommy of sources of big data but outly ferminoding and believe the propose of the	2018 2018 2018 2018 2018 2018	141 68 55 32	212 4 [[category: Medic 36 3 [[category: Comp 176 13 [[category: Comp 21 4 [[category: Comp 38 3 [[category: Comp	ine, [Review, Journs ter [Review, Journs ter [Review, Journs ter [JournsArticle], ter [JournsArticle], ter [JournsArticle], ter [JournsArticle], ter [JournsArticle],	totics/lower annualmoiness.a. totics/lower activeth org/antip	Privacy Privacy Controllable Text Generation (None) Controllable Controllable Crestive Automated
110 112 113 114 115 1		6a028cc26d7ece 4530891 https://www.ct316d1a0253ce 3699991 https://www.ct316d1a0253ce 3699991 https://www.dt36d1a0253ce 3699991 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d2a025d5 https://www.dt36d2a025d5 521361 https:	Big Data in Public Health: Temprology, Machine Learning, and tem Privacy. Machine learning and genomics: procision medicine versus patient tem privacy Learning Neural Templates for Text Cerceriation Ususpervised Controllable Text A Comparison Between STRAIGHT, Global, and Sinuscidal Vecoding in AComparison Servenine Speech	paction. This review explores several key issues that have arisen around by data. Refu. we consider common path boards are interested and practices of the packet of the p	2018 2018 2018 2018 2018 2018	141 68 55 32	212 4 [[category: Medic 36 3 [[category: Comp 176 13 [[category: Comp 21 4 [[category: Comp 38 3 [[category: Comp	ine, [Review, Journs ter [Review, Journs ter [Review, Journs ter [JournsArticle], ter [JournsArticle], ter [JournsArticle], ter [JournsArticle], ter [JournsArticle],	totics/lower annualmoiness.a. totics/lower activeth org/antip	Privacy Privacy Controllable Text Generation (None) Controllable Controllable Crestive Automated
10 12 2 13 13 14 14 15		6a028cc26d7ece 4530891 https://www.ct316d1a0253ce 3699991 https://www.ct316d1a0253ce 3699991 https://www.dt36d1a0253ce 3699991 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d2a025d5 https://www.dt36d2a025d5 521361 https:	Big Data in Public Health: Terminology, Machine Learning, and Exprisery. Machine learning and genomice: Big privacy A Comparison Between STRACHT, October Committees A Comparison Between STRACHT, October Strategies and St	paction. This review explores several key issues that have arisen around by data. Refu. we conduct common path includes insecurately an explored as several common path conductor common path includes insecurately an explored provides prevention and an explored provides an explored provides and explored provides provides provided provid	2018 2018 2018 2018 2018 2018	141 68 55 32	212 4 [[category: Medic 36 3 [[category: Comp 176 13 [[category: Comp 21 4 [[category: Comp 38 3 [[category: Comp	ine, [Review, Journs ter [Review, Journs ter [Review, Journs ter [JournsArticle], ter [JournsArticle], ter [JournsArticle], ter [JournsArticle], ter [JournsArticle],	totics/lower annualmoiness.a. totics/lower activeth org/antip	Privacy Privacy Controllable Text Generation (None) Controllable Controllable Controllable Crestive Automated
10		6a028cc26d7ece 4530891 https://www.ct316d1a0253ce 3699991 https://www.ct316d1a0253ce 3699991 https://www.dt36d1a0253ce 3699991 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d3a025d5 521361 https://www.dt36d2a025d5 https://www.dt36d2a025d5 521361 https:	Big Data in Public Health: Terminology, Machine Learning, and ten Privacy. Machine learning and genomics: protein and privacy. Machine learning and genomics: protein and privacy. Machine learning and genomics: protein and privacy. Learning Neural Templates for Text and Generation Learning Neural Templates for Text and Generation A Comparison Between STRAIGHT, Glotal, and Sirusacidal Viscoding in Statistical Parametris. Spreach A Comparison Between STRAIGHT, Glotals, and Sirusacidal Viscoding in Statistical Parametris. Spreach The Combinator — a computer-based too for creative idea generation based and to the Computer of the Statistical Parametris. PersualDE I An Adaptive Persuasive Text Generation System for Fashion	packable. This review explores several key issues that have arisen around by data. First, we propose a successory of sources of big data botary ferminology and helder. We consider common paths bear several report of the propose as	2018 2018 2018 2018 2018 2018	141 68 55 32	212 4 [[category: Medic 36 3 [[Category: Comp 176 13 [[Category: Comp 21 4 [[category: Comp 38 3 [[Category: Comp 915 196 [[Category: Comp 49 9 [[Category: Comp	inet, ('Review', Vourna uter ('Review', Vourna uter ('JournalArticle', ' uter ('JournalArticle', ' uter ('JournalArticle') uter ('JournalArticle') uter ('JournalArticle', ' uter ('JournalArticle', ' u	totics/lower annualmoiness.a. totics/lower activeth org/antip	Privacy Privacy Controllable Text Generation (None) Controllable Controllable Controllable Creative Automated Creative
10		6a/28c/26d7ece 453089 https://www.cl316d1a/0253ce 369999 https://www.cl316d1a/0253ce 369999 https://www.b643968a2cd2 521981 ht	Big Data in Public Health: Terminology, Machine Learning, and ten Privacy. Machine learning and genomics: protein and privacy. Machine learning and genomics: protein and privacy. Machine learning and genomics: protein and privacy. Learning Neural Templates for Text and Generation Learning Neural Templates for Text and Generation A Comparison Between STRAIGHT, Glotal, and Sirusacidal Viscoding in Statistical Parametris. Spreach A Comparison Between STRAIGHT, Glotals, and Sirusacidal Viscoding in Statistical Parametris. Spreach The Combinator — a computer-based too for creative idea generation based and to the Computer of the Statistical Parametris. PersualDE I An Adaptive Persuasive Text Generation System for Fashion	packable. This review explores several key issues that have arisen around by data. First, we propose a successory of sources of big data botary ferminology and helder. We consider common paths bear several report of the propose as	2018 2018 2018 2018 2018 2018 2018	141 68 55 32 61 30	212 4 [[category: Medic 36 3 [[Category: Comp 176 13 [[Category: Comp 21 4 [[category: Comp 38 3 [[Category: Comp 915 196 [[Category: Comp 49 9 [[Category: Comp	inet, ('Review', Vourna uter ('Review', Vourna uter ('JournalArticle', ' uter ('JournalArticle', ' uter ('JournalArticle') uter ('JournalArticle') uter ('JournalArticle', ' uter ('JournalArticle', ' u	titles/lever annualmoiens.o titles/lever annualmoiens.o titles/lever activets orginally	Privacy Privacy Controllable Text Generation (None) Controllable Controllable Creative Automated Creative
110		6a/28c/26d7ece 453089 https://www.cl316d1a/0253ce 369999 https://www.cl316d1a/0253ce 369999 https://www.b643968a2cd2 521981 ht	Big Data in Public Health: Terminology, Machine Learning, and ten Privacy. Machine learning and genomics: protein and privacy. Machine learning and genomics: protein and privacy. Machine learning and genomics: protein and privacy. Learning Neural Templates for Text and Generation Learning Neural Templates for Text and Generation A Comparison Between STRAIGHT, Glotal, and Sirusacidal Viscoding in Statistical Parametris. Spreach A Comparison Between STRAIGHT, Glotals, and Sirusacidal Viscoding in Statistical Parametris. Spreach The Combinator — a computer-based too for creative idea generation based and to the Computer of the Statistical Parametris. PersualDE I An Adaptive Persuasive Text Generation System for Fashion	packable. This review explores several key issues that have arisen around by data. First, we propose a successory of sources of big data botary ferminology and helder. We consider common paths bear several report of the propose as	2018 2018 2018 2018 2018 2018 2018	141 68 55 32 61 30	212 4 [[category: Medic 36 3 [[Category: Comp 176 13 [[Category: Comp 21 4 [[category: Comp 38 3 [[Category: Comp 915 196 [[Category: Comp 49 9 [[Category: Comp	inet, ('Review', Vourna uter ('Review', Vourna uter ('JournalArticle', ' uter ('JournalArticle', ' uter ('JournalArticle') uter ('JournalArticle') uter ('JournalArticle', ' uter ('JournalArticle', ' u	titles/lever annualmoiens.o titles/lever annualmoiens.o titles/lever activets orginally	Privacy Privacy Controllable Text Generation (None) Controllable Controllable Creative Automated Creative
10		6a/28c/26d7ece 453089 https://www.cl316d1a/0253ce 369999 https://www.cl316d1a/0253ce 369999 https://www.b643968a2cd2 521981 ht	Big Data in Public Health: Terminology, Machine Learning, and ten Privacy. Machine learning and genomics: protein and privacy. Machine learning and genomics: protein and privacy. Machine learning and genomics: protein and privacy. Learning Neural Templates for Text and Generation Learning Neural Templates for Text and Generation A Comparison Between STRAIGHT, Glotal, and Sirusacidal Viscoding in Statistical Parametris. Spreach A Comparison Between STRAIGHT, Glotals, and Sirusacidal Viscoding in Statistical Parametris. Spreach The Combinator — a computer-based too for creative idea generation based and to the Computer of the Statistical Parametris. PersualDE I An Adaptive Persuasive Text Generation System for Fashion	pastion. This review explores several key issues that have arisen around by data. Mex. we consider common path boards are made and the pasting of the pastin	2018 2018 2018 2018 2018 2018 2018	141 68 55 32 61 30	212 4 [[category: Medic 36 3 [[Category: Comp 176 13 [[Category: Comp 21 4 [[category: Comp 38 3 [[Category: Comp 915 196 [[Category: Comp 49 9 [[Category: Comp	inet, ('Review', Vourna uter ('Review', Vourna uter ('JournalArticle', ' uter ('JournalArticle', ' uter ('JournalArticle') uter ('JournalArticle') uter ('JournalArticle', ' uter ('JournalArticle', ' u	titles/lever annualmoiens.o titles/lever annualmoiens.o titles/lever activets orginally	Privacy Privacy Controllable Text Generation (None) Controllable Controllable Creative Automated Creative

					We present a new dataset and models for comprehending paragraphs about processes (e.g., photosynthesis), an important gener of feet describing a dynamic world. The new dataset, ProPara, is the first to contain natural infalter than machine-generatedly lest about a changing world along with a lid amnotation of entity states (location and existence) during brosse changes (EM datapoints). The end stats, backing the location and existence or effect the strongly the feet, is described in particular than an existence or effect the strongly the feet, is described and existence or effect that previous models that have owned well on synthetic data achieve only medical control or existence of the strongly and strongly and span prediction. The new models improve accuracy by or 19%. We are referently fine ProPara dataset and our models b for community.					
220			5e9c9d0164ae04501968/bltos:	Tracking State Changes in Procedural Text: a Challenge Dataset and Models	and existence of entities through the text, is challenging because the causal effects of actions are often implicit and need to be inferred. We find that previous models that have worked well on synthetic data achieve only medicure performance on ProPara, and introduce two new neural models that exploit alternative mechanisms for state prediction, in particular using LSTM input encoding and span prediction. The new models interest accurately but in 15/16. We are related to the ProPara detailed and our models in the promisibility of the propagation of the pro	2018	27 95	20 Effectence/: 'Computer FlournelArticle' 1	https://www.achush.com/anthu	Machine Task Machine Generated Text (None)
220			DESUSUO 1042E04 DU 19062 11105.	ior Process Paragraphi Comprehension		2016	27 90	20 ((category: Computer (Southawatice)	INDS./WWW.aciweb.org/amin	machine lask machine Generated Text (Notice)
				Auditing Data Provenance in Text-	In the period table production (present passes and the period table) and the period table production (present passes are period table) and the period table perio					
221	$\overline{\mathbf{z}}$		ffca61ff581efb26 159041(https://	/www.seri Generation Models	analyze how text generation models memorize word sequences and explain why this memorization makes them anaexable to auditing. Income limited personal particular statements are supported by the property of	2018	47 152	18 [('category': 'Computer ['Book', 'JournalA	https://dl.acm.org/doi/pdf/10	Machine Training Text Generation (None)
					Incomet imaging protocol selection can head to important clinical findings being missed, contributing to both wasted health can resources and patient ham. We present a matchine learning, method for enabyting the unstructured tend of clinical indications and patient demorphish from magnetic resources imaging (MRI) orders to admonstrationly protocol MRI) procedures at the executive We compared a matchine learning models - apport vector machine (Fig. 2) and a second procedures and pro					
				Using machine learning for sequence- level automated MRI protocol selection	model significantly outperformed the baseline and demonstrated the best performance of the 3 models in terms of the significantly outperformed the baseline and demonstrated the best performance of the 3 models in terms of a country (95%), precision (96%), recall (90%), and Hamming loss (0.0487). This demonstrates the fleasibility of adversariates present performance of the 3 models in terms of a country (95%), precision (96%), recall (90%), and Hamming loss (0.0487). This demonstrates the fleasibility of adversariate precision by a country in the performance of the 3 models and the performance of the 3 models and the second of the second					
222		✓	5317bcf1081cb3 496738! https://		the quality and safety of medical imaging service delivery.	2018	22 47	3 [['category': 'Computer ['JournalArticle']	https://academic.oup.com/jar	Automated
				automated feedback generation and complex longitudinal experience-						
223			c7bea7060f9d41-2402518https:/	//www.seri sampling studies using R		2018	0 24	2 [['category': 'Computer ['Review']	https://link.springer.com/cont	Automated
				Data-to-Text Generation with Content	Recent advances in data to be darp permetation have led to the use of largo-scale datasets and neural network models which are trained ends-bend, without explicit my modeling what to say and in what order. In this work, we present a result indext placed in permitted in the present in the permitted in the present in the permitted in the data of the permitted in the data of the permitted in the p					
224	$\overline{\mathbf{Z}}$		f24cb415f5364dc5215391https:/	//www.serr Selection and Planning	into account. Automatic and human-based evaluation experiments show that our model outperforms strong baselines improving the state-of-the-art on the recently released RobbWIEC dataset. Resizeouro Multin the devaluation of artificial includince; and an experiment of the context of the product of the prod	2018	44 224	41 [['category': 'Computer ['JournalArticle', '	https://ojs.aaai.org/index.phg	Task Training Text Generation (None)
					Background With the development of artificial intelligence (AI) technology centered on deep-learning, the computer has evolved to a point where it can read a given text and answer a question based on the context of the text. Such a specific task is known as the task of machine comprehension. Existing machine comprehension asks mostly use datasets of general texts, such as news strictes or elementary school-level schools of the context of the comprehension and the comprehension makes to elementary as the context of the comprehension and the comprehension makes to elementary school-level schools of the context of the context of the comprehension and the comprehension makes to elementary context of the co					
					especially in the biomedical domain. Objective This study aims to investigate whether a machine comprehension model can process biomedical strictes as well as general texts. Since there is no dataset for the biomedical texture comprehension task, our work includes generating a large-scale question answering dataset using Published and manually evaluating the generated dataset. Methods We present an attention-					
					based deep neural model tailored to the biomedical domain. To further enhance the performance of our model, we used a pretrained word vector and biomedical entity type embedding. We also developed an ensemble method of combining the results of several independent models to reduce the variance of the answers from the models. Results The experimental results showed that our proposed deep neural network.					
				A Pilot Study of Biomedical Text	independent of the control of the co					
				Comprehension using an Attention- Based Deep Neural Reader: Design	to significant quasification of the state of					
225			d5400c4cc068ed356124 https://	//www.sen and Experimental Analysis	stopholos. Newerin on attempt has been made to determine whether an up-to-date deep learning-based machine comprehension model can also process as confident filerature containing spent level is considered, as a comprehension of the contraction of the contracti	2018	30 18	6 [['category': 'Medicine', ['JournalArticle']	https://medinform.jmir.org/20	Task
				Multi-Deference Training with Deputs.	comprehension tasks that require expert level knowledge. Mexiliant deprending including neural maniform brandstori, image captioning, and summarization, has been quite successful recently. However, during training time, typically only one reference is considered for each example, even though there are often multiple references available, e.g., 4 references in NST IMT evaluations, and 5 references in image captioning data. We first investigate several different ways of utilizing multiple human references in time propose an alignative image references by first compressing plants and interest the second in the propose and profit in the propose and profit in plants and procedures by first compressing plants references in the little capture of the propose and profit in providences by first compression of the profit in the propose and profit in providences are set to successful and providences are					
226	$\overline{\mathbf{v}}$		9a716bf5654457 521249f https:/	References for Neural Translation and	the property of the property o	2018	20 21	2 [['category': 'Computer ['JournalArticle', '	https://www.aclweb.om/anthu	Machine I Training
					Data scarcity is one of the main obstacles of domain adaptation in spoken language understanding (SLU) due to the high cost of creating manually tagged SLU datasets. Recent works in neural text generative			- ((
				Data Augmentation for Spoken Language Understanding via Joint //www.sert Variational Generation	Data security is one of the main obtaches of domain adaptation in spoken language understanding (SLU) as to the high cost of oracing manually tagged SLU datasets. Recent works in near language modes, perioducily later scribble modes language and surface and surface and surface or surface and surface or surface and surface or surface and surface or surface and surf					
227			b21850c88960at 521779-https:/	//www.sen Variational Generation	performances for various SLU models, supported by extensive experiments and rigorous statistical testing. Previous deep learning based state-of-liberant scene leaf detection methods can be much by described into two characteries. The first obtained to the second leaf are a leaf agreed and agreed to the second leaf agreed to the	2018	38 71	5 [['category': 'Computer ['JournalArticle', '	https://ojs.aaai.org/index.phg	Cost
					Personal cases I search planed dataset discuss the control con					
				Multi-oriented Scene Text Detection	points of text bounding boxes and segmenting text regions in relative positions. In inference stage, candidate boxes are generated by sampling and grouping corner points, which are further scored by segmentation maps and suppressed by NMS. Compared with previous methods, our method can handle long oriented text naturally and doesn't need complex post processing. The experiments on ICDAR2013, ICDAR2015,					
236		Z	d2f881259d016e 356786l https://	via Corner Localization and Region //www.sen Segmentation	MSRA-TD500, MLT and COCO-Text demonstrate that the proposed algorithm achieves better or comparable results in both accuracy and efficiency. Based on VGG16, it achieves an F-measure of 84.3% on ICDAR2015 and 81.5% on MSRA-TD500.	2018	55 291	22 [['category': 'Computer ['JournalArticle', '	http://arxiv.org/pdf/1802.089	Detection
				An anchor-free region proposal						
237		$ lap{\square}$	573b44a4ac4584137476(https://		The problem of AMR-to-text generation is to recover a text representing the same meaning as an input AMR graph. The current state of-the-art method uses a sequence-to-sequence model, leveraging LSTM for	2018	57 100	5 [['category': 'Computer ['JournalArticle']	http://anxiv.org/pdf/1804.090/	Detection
				A Graph-to-Sequence Model for AMR-	The problem of AMPG-bet agreement in its recover a text regressing the same meeting as an input AMPG graph. The current data of the art method uses a sequence between control in the recovery and with a current of the AMPC graph in the current of the AMPC graph in the action of the AMPC graph in the action of the AMPC graph in the action of the AMPC graph in the AMPC graph in the action of the AMPC graph in the AMPC graph i					
240	$\overline{\mathbf{v}}$		b4812702a7c1c4 2511161 https://	//www.ser to-Text Generation	superior results to existing methods in the literature. Automated text analysis allows researchers to analyze large quantities of text. Yet, comparative researchers are presented with a big challence: across countries people speak different languages. To address this	2018	34 223	29 [['category': 'Computer ['JournalArticle', '	https://www.aclweb.org/anth	Text Generation (None)
				No Longer Lost in Translation:	Support of resolution to detaining intensions as in the intensional expension of the contraction of the cont					
		_		Evidence that Google Translate Works for Comparative Bag-of-Words Text	translated text and machine-translated text. We evaluate results at both the document and the corpus level. We first InDMs for both text corpora to be highly similar, with minor differences across languages. What is more, we find considerable overlap in the set of features generated from human-translated and machine-translated. With regard to LDA topic models, we find topical previations and only a contraction of the company of the contraction of					
241		✓	bb2c4051ca81011255504https:/			2018	28 131	2 [('category': 'Computer Science', 'source'	https://www.cambridge.org/c	Machine Automated Machine Generated Text (None)
					Paraphrase generation is an important problem in NLP, especially in question answering, information retrieval, information extraction, conversation systems, to name a few. In this paper, we address the problem of					
					generating paraphrases subtomatically. Our proposed method is absented to a subtomatical for the paraphrases subtomatically composed method is absented to a subtomatical for the paraphrases subtomatically composed method is absented to a subtomatical for the paraphrases subtomatically composed method is absented to a subtomatical for the paraphrases subtomatically composed method is absented to a subtomatical for the paraphrases subtomatically composed method is a subtomatical for the paraphrases subtomatically composed method is a subtomatical for the paraphrases subtomatically composed method is a subtomatically composed method is a subtomatically composed method is a subtomatical for the paraphrases subtomatically composed method is a subtomatical for the paraphrase subtomatical for t					
					Pasystrate presention is an important problem in NLO expectably in question asserting, information retireal, information extendion, conversation spitime, in a name a few. In this paper, we address the problem of presenting pasystrates and monitorally only proposed mercinal based and a combination of deep persentient possible, such passes and monitoral proposed mercinal based and a combination of deep persentient model, (SMI) with expensed to expense models (SMI) and expense passes problem partyrases, given and expense in the both recording and expense in the passes and expenses and e					
				A Deep Generative Framework for	evaluate our method on a newly released question paraphrase dataset, and establish a new baseline for future research.					
242			5a5a1076c3a3d41273725https:	//www.serr Paraphrase Generation	We propose a recurrent neural model that generates natural-language questions from documents, conditioned on answers. We show how to train the model using a combination of supervised and reinforcement	2017	36 216	41 [['category': 'Computer ['JournalArticle', '	https://ojs.aaai.org/index.phg	Paraphrase NLP
	_			Machine Comprehension by Text-to- Text Neural Question Generation	We propose a recurrent enual model had generate natural indeputing questions from documents, conditioned on insense. We show how be taken he mode using a combination of approximate and eninforcement learning, After teacher forcing for standard natural mellahood straining, we feet have the model using policy gradient benings to insurantise seem reveals that measure question quality. Most notable, one of these reveals is the performance of question answering systems. Our model is trained and evaluated on the recent question somewhere globased South, or model is trained and evaluated on the recent question somewhere globased South.					
243			bc6ad001c395e97562141https:	//www.serr Text Neural Question Generation	the recent question-answering dataset SQuAD. Convolutional neural networks (CNNs) have recently emerced as a popular building block for natural language processing (NLP). Despite their success, most existing CNN models employed in NLP share the same	2017	52 167	13 [['category': 'Computer [JournalArticle']	https://www.aclweb.org/anthi	Machine Paraphrase Bias Controllable Creative Cost
					use no. 11, received management guisances docume. Convolutional received investments (CNNs) have recently emerged as a popular building block for natural language processing (NLP). Despite their success, most existing CNN models employed in NLP share the same learned (and static) set of filters for all input sentences. In this paper, we consider an approach of using a small meta network to learn content-tensifie convolutional filters for the processing. The refer of media remotive is to advantage the contentual information and is sentence or countered into a set of tentor existence information and in the contentual information and a sentence or countered into a set of tentor existence information and in the contentual information and included in the contentual information and interest in th					
	-	П		Learning Context-Sensitive Convolutional Filters for Text	mechanism is introduced to encapsulate co-dependent sentence representations. In our benchmarks on four different testas, including onlotogy classification, sentiment analysis, answer sentence selection, and paraphrase (edenfication, our proposed model, a modified CNN with ontext-sensitive filters, consistently outperforms the standard CNN and attention-based CNN baselines. By visualizing the learned context-sensitive for the context-sensitive filters and context-sensitive filters are context-sensitive for the context-sensitive filters are context-sensitive filters.					
244		Ш	563a451d34ac33 5211844 https://	/www.sen Processing	sensitive filters, we further validate and rationalize the effectiveness of proposed framework. Computer-based automatically generated text is used in various applications (e.g., text summarization, machine translation) and has come to play an important role in daily life. However, computer-generated text	2017	43 19	2 [['category': 'Computer ['JournalArticle', '	https://www.aciweb.org/anthi	Paraphrase
					sensitive files, we further validate and rationalize the effectiveness of proposed framework. Complete based submissional government but is used in various application (e.g., a set amministration, machine translation) and has come to play an important role in dialy life. However, computer generated text many post and proposed framework in the proposed f					
					produces wording dose to numan-crained wording. A different approach to detecting computergenerated text is thus needed. We hypothesize that human-craited wording is more consistent than that of a computer. For instance, Zipf's law states that the most frequent word in human-written text has approximately twice the frequent word, nearly three times that of the third most frequent word, and so you that the instance of the product of the p					
					compared with the corresponding Zipfian distributions to extract the frequency features. Next, complexe, primare features are extracted because human-generated ext contains more complex phrases than computer opening the human-generated ext is quantified at both the sentence human-generated ext contains more complex phrases than computer opening the human-generated ext is quantified at both the sentence human-generated ext is quantified at both the sentence human-generated ext contains more complex phrases than computer-					
				Identifying computer-generated text	are integrated into consistency features. The combination of the frequencies, the complex phrases, and the consistency features was evaluated for 100 English books written originally in English and 100 English books translated from Finnish. The results show that our method achieves better performance (accuracy = 98.0%; equal error rate = 2.9%) compared with the most suitable method for books using parameters.					
245	$\overline{\mathbf{z}}$		a68813c7b1cd87364553*https://	(Awww.ser) using statistical analysis	feature extraction. Evaluation using two other languages (French and Dutch) showed similar results. The proposed method thus works consistently in various languages. We study automatic question generation for sentences from text passages in reading comprehension. We introduce an attention-based sequence learning model for the task and investigate the effect of enconfine	2017	15 15	2 [['category': 'Computer ['JournalArticle', '	https://www.pure.ed.ac.uk/w	Paraphrase NLP Natural Language Generation Evaluation Metrics
				Learning to Ask: Neural Question Generation for Reading	sentence- vs. paragraph-level information. In contrast to all previous work, our model does not rely on hand-carded rules or a sophisticated NLP pipeline; it is instead trainable end-to-end via sequence-learning. Automatic evaluation results show that our system similarity outperforms the state-of-the-art rule-based system. In human evaluations, oueseitons operated by our system are also rated as a being more					
247			9d3472849dc2ca 2172125 https:/	//www.seri Comprehension	natural (i.e., grammascally, fuency) and as more difficult to answer (in terms of syntactic and incited divergence from the original test and reasoning needed to any control or the property of the Control or the property of the Control or the Con	2017	39 523	133 [['category': 'Computer ['JournalArticle', '	https://www.aclweb.org/anthr	NLP
				Survey of the State of the Art in	the field has undergone over the past two decades, especially in relation to new (usually data-driven) methods, as well as new applications of NLG technology. This survey therefore aims to (a) give an up-to-date synthesis of research on the core tasks in NLG and the architectures adopted in which such tasks are organised; (b) highlight a number of recent research topics that have arisen partly as a result of growing					
248	$\overline{\mathbf{Z}}$		d13bb317e87f3ff 169463fhttps:	Natural Language Generation: Core (www.ser) tasks, applications and evaluation	synergies between NLG and other areas of artifical intelligence; (c) draw attention to the challenges in NLG evaluation, relating them to similar challenges faced in other areas of nip, with an emphasis on different evaluation methods and the relationships between them.	2017	556 634	53 [['category': 'Computer ['JournalArticle', '	https://jair.org/index.php/jair/	NLP Natural Language Generation
		_		Multilingual CALL Framework for Automatic Language Exercise						
249			8284ff496b9687f 769991f https://	//www.seri Generation from Free Text	(NLP) technology such as word embedding models and word sense disambiguation, the application enables users to automatic create easily and in real time three types of exercises, namely, Fill-in-the-Gaps, Multiple Contice, and Shilled Selectiness questionaries. These are generated from tests of the users of an incline, on the large can train their language skills with content of their particular interest. This paper presents a Generative Adversarial Network (GAN) to model single-turn short vict conversations, which trains a sequence Geographic pleatwist for response generation simultaneously with a	2017	6 8	2 [('category': 'Computer ['JournalArticle', '	https://www.aclweb.org/anthi	NLP
					This paper presents a Consention future seal betweek (GAM) to mode single-turn stands series which term a sequence because of Englishing indicates for reporting presents and continued to the contraction of the contraction					
250	$\overline{\mathbf{z}}$		f4a67539e254dc 110304(https://	Neural Response Generation via GAN (Awww.ser) with an Approximate Embedding Layer	responses"), which are trequently observed in traditional neural response generators. The experimental results show that the proposed approach significantly outperforms existing neural response generation models in diversity metrics, with slight increases in relevance scores as well, when evaluated on both a Mandarin corpus and an English corpus.	2017	26 80	7 [['category: 'Computer ['JournalArticle', '	https://www.aclweb.org/anthr	Natural Language Generation Language Model
					An interesting challenge for explainable recommender systems is to provide successful interpretation of recommendations using structured sentences. It is well known that user-generated reviews, have strong influence on the user's decision. Recent lectrinques capital outser-reviews to generate natural singuage explanations. In this paper, we propose a character-level attention-enhanced long don't ferm emmerate natural singuage explanations. The entering explanations is not explained provided by explanations and explanations are required explanations. All present endables and experient endables and explanations are successful experient endables and experient experiences.					
251	$\overline{\mathbf{z}}$		2ce80afff88afda(3689941https:/	Automatic Generation of Natural (Neww.sen Language Explanations		2017	30 79	2 [['category': 'Computer ['JournalArticle', '	http://anxiv.org/pdf/1707.015/	Natural Language Generation
					Names webst communication includes affective messages which are conveyed through use of emotionally colored words. There has been a lot of research effort in this direction but the problem of integrating states. Other eart must all regards models with affective information remains an away report exploration. In this paper, we oppose an extension to an LTER (Long Bibb.TF and presents on a conversation and accordanced with a conditioned on select categories. Our proposed model, Affectal M enables us to continue the degree of emotion control in generated eventures through an additional design parameter of the conversation and proposed model. Affectal M enables on the continued of					
			6ae02cc5e82e0d 189994(https:/	Affect-LM: A Neural Language Model for Customizable Affective Text	conversational text, conditioned on affect categories. Our proposed model, Affect-LM enables us to customize the degree of emotional content in generated sentences through an additional design parameter. Perception studies conducted using Amazon Mechanical Turk show that Affect-LM and generate naturally looking emotional sentences without sacrificing grammatical correctness. Affect-LM also learns affect-	2017	29 163	45 Presidents C	https://www.actorstoner.com	Laurusea Madel
253			OULUZULDEGZEUG 189994(MIDS)			2017	49 163	15 [['category': 'Computer ['JournalArticle', '	caupa.rwww.actweb.org/anthi	Language Muse
					The ability to transfer styles of texts or images, is an important measurement of the advancement of artificial intelligence (AI). However, the progress in language style transfer is lagged behind other domains, such as commuter vision, mainly because of the lack of papellel data and reliable evaluation metrics. In response to the challenge of lacking parallel data, we explicit legacine while transfer from non-newfall data.					
					propose two models to achieve this goal. The key idea behind the proposed models is to learn separate content representations and style representations using adversarial networks. Considering the problem of lacking principle evaluation metrics, we propose two novel evaluation metrics that measure two aspects of style transfer strength and content preservation. We benchmark our models and the evaluation					
					The skills is transfer sight of feats for images, is an important measurement of the advancement of afficial intelligence (A)). However, the progress in imaguage ship learned is lagged belief of the demands, and a compare vision, manyle because of the leaf of pradict data and retired in evaluation metrics. In response to the college of lakeing partials data, we origine in seminate for more operated data. We propose the models to achieve this goal. The key idea behind the proposed models is to learn separate content representations and spir representations using adversarial reflexories. Considering the problem of intelligence of the proposed models in the proposed models and spir representations using adversarial reflexories. Demands in the proposed models are appeared to a proposed models are appeared using adversarial reflexories. Considering adversarial reflexories. Or evaluation metrics are not use of the proposed models are appeared using adversarial reflexories. The evaluation metrics are not useful to the proposed models are also be to present assertantiation of unconsidered and proposed models are also be to present assertantiation or uncoded and the evaluation metrics on those spiritually appeared to the proposed models are also be to present assertantiation of the proposed models are also be to present assertantiation or uncoded and the proposed models are also be to present assertantiation of the proposed models are also be to present assertantiation or uncoded and the proposed models are also be to present assertantiation of the proposed models are also become assertant assertant and the proposed models are also become assertant and the proposed models are also assertant and the proposed models are also assertant assertant and the proposed models are also assertant and the proposed models are also assert					
257			065191b835fee7 648406! https://	Style Transfer in Text: Exploration and (\text{\text{Nww.sen}} Evaluation		2017	33 428	104 [['category: 'Computer ['JournalArticle', '	https://ojs.aaai.org/index.phg	Evaluation Metrics

258		П	Challenges in Data-to-Document 1339521344778 238922: https://www.sert.Generation	Recent exact models have shown significant progress on the problem of generating abort descriptive tests conditioned on a small number of database records. In this work, we suggest a slightly more efficial data- ble best generation testing, and inestigate from effective currient approaches are on this tasts, a practical, we introduce are new layer scales copied of data records particle except descriptions occurring to extractive evaluation methods for analyzing performance, and obtain baseline receible surging currient required personations. However, come imprising the scales are consistent of the scales are consistent or consistent of the scales are consistent or c	2017	55	435	102 [['category': 'Computer [JournalArticle', '	https://www.aclweb.org/anth	Evaluation Metrics
				Automatically generating otherest and sensatically meaningful test has new applications in makine treatation, discipute systems, image application, circ. Secontly, by contining with policy gardient, Description, Automatically applications and provide the provided of the						
265	\checkmark		Long Text Generation via Adversarial 485552d271186(338958; https://www.sert Training with Leaked Information		2017	30	394	67 [['category': 'Computer ['JournalArticle', '	https://ojs.aaai.org/index.phg	Machine Training Text Generation (None) Controllable Creative N
267		.	Artificial Error Generation with Machin 139768cf7714bel 675134 https://www.seg Translation and Syntactic Patterns	Shortage of available training data is holding back progress in the area of automated error detection. This paper investigates two alternative methods for artificially generating writing errors, in order to create additional resources. We propose treating error generation as a machine translation task, where grammatically correct text is standated to contain errors. In addition, we expire a system for extracting textual application and an another development of the propose training errors and progress and another and the inclusion of artificially generated errors significantly improves error and progress and another another and another and another another and another an	2017	24	49	6 [['category': 'Computer ['JournalArticle']	https://www.pebuph.org/ceth-	Machine Detection Automated Task Training
207			Linguistic realisation and Syntactic Patterns Linguistic realisation as machine	detection accuracy on both FCE and CONLL 2014 datasets.	2017	24	49	6 [[category: Computer [JournalArticle]	https://www.actweb.org/artini	Machine Detection Automated Task Training
268		$\overline{\mathbf{v}}$	translation: Comparing different MT 60e6cf2f76da04c 286390(https://www.ser models for AMR-to-text generation	In this paper, we study AMR-to-text generation, framing it as a translation task and comparing two different MT approaches (Phrase-based and Neural MT). We systematically study the effects of 3 AMR preprocessing steps (Delexicalisation, Compression, and Linearisation) applied before the MT phase. Our results show that preprocessing indeed helps, although the benefits differ for the two MT models.	2017	35	34	5 [['category': 'Computer ['JournalArticle']	https://www.aclweb.org/anthr	Machine Task
	_		for Neural Text Generation (modulo	In neural led generation such as neural macrine translation, summarization, and mape captioning, beam search is videly used to improve the output let any service, in the neural generation setting, hypotheses can find in different steps, which makes at difficult to dock when be not be reasonable. Versure growards yield may be any service that was also with the service that the service that was also with the service that was a service that the service that was a model evention of or beam search adjoint the origination to reason application to reason applies. Experiments on exercise about machine translation demonstrate that our prince and search applications and or beam search adjoint the service and search applies that the service th						
269	✓		2eeb4d6529ec7; 306019l https://www.sen beam size)	in BLEU zone over previously proposed alternatives. Keyphrase provides highly-ammanian information that can be effectively used for undestanding, organizing and retrieving text content. Though previous studies have provided many workable solutions for satomatic heightness extraction, they commonly divided the lo-be-aummanized content into multiple text chanks, then marked and selected the most managingli ones. These approaches could rether identify lessystrates that our doubgars in the lost, nor capture the real semantir meaning behind here been Very propose a generative model for leysystrase prediction, whis a new chanks which can efficiently overcrome he above disturbables. We name it as deep leaphrase generation since it alternates to capture the deep semantir meaning of the content with a deep learning method. Empirical analysis on aix distantest demonstrates that four proposed model not only achieves a significant performance boot on the extracting help-privates and support support content with a deep learning method. Empirical analysis on aix distantest demonstrates that our proposed model not only achieves a significant performance boot on extracting help-privates and support support support our content with a deep learning method. Empirical analysis on aix distantest demonstrates that our proposed model not only achieves a significant performance boot on extracting help-privates that does not extend the operation and the support of the source of the deep semantic meaning of the content with a deep learning method. Empirical analysis on aix distantest of the semantic content with a semantic content with a semantic content with a semantic content of the semantic content with a semantic content with	2017	13	48	4 [['category': 'Computer [JournalArticle', '	https://www.aclweb.org/anthi	Machine
270	\checkmark		78b47ef088d537 158634{https://www.serr	meaningstated with proposed interest and significant performance performance and performance a	2017	45	258	96 [('category': 'Computer ['JournalArticle', '	https://www.aclweb.org/anthr	Automated
271			Toward Scalable Social Al Text: Conversational Conditioning as a Too for Refining Vision-bs-Language 12a15dbbc2ed8 384500 tto Refine Conversational Conditions and Refine Conversational Conditions and Refine Conversation	The access of visually impaired users to image; in social media is constained by the enabliship of sublable all text. It is unknown how imperfection in emerging loads for authoration caption grants in the inference of the contraction of the	2017	30	64	6 [[Catlegory: 'Computer [JournalArticle']	https://ojs.aaai.org/index.phg	Automated
272			Impact of struck-out text on writer 27147e3e78b0er 561719(https://www.ser.identification	The presence of struck-out test in handwritten manuscripts may affect the accuracy of automated writer identification. This paper presents a study on such friends of friends of manufactures and Bengain handwriter document images. If it is, the study-out dataset are decidented using a hydric disastifier of a CNN (Convolutional Neural Network) and an SNN (Sport) reterm Marchine in the structure intermitted on normal and strucks out test expensable in secretain the impact of study-out less first with extend the intermitted intermitted and sold decidented between with an accuract reterminal model. For the expensable analyses, we have generated additional from 100 English and 100 Bengali writers. The performance of our system of a very retormation and a study of the	2017	31	14	2 [['category': 'Computer ['JournalArticle', '	https://opus.lib.uts.edu.au/bil	Automated
212		<u> </u>	AMR-to-text Generation with		2017	31	14	2 ((category: Computer (Sournamentice)	ings./opus.ib.dis.edu.abbi	Administra
273	$\overline{\mathbf{v}}$		Synchronous Node Replacement 7bd2ab0c21134t 957370t https://www.sen Grammar	This paper addresses the task of AMR-to-text generation by leveraging synchronous node replacement grammar. During training, graph-to-string rules are learned using a heuristic extraction algorithm. At test time, a graph transducer is applied to collapse input AMRs and generate output sentences. Evaluated on a standard benchmark, our method gives the state-of-the-art result.	2017	34	49	6 [['category': 'Computer ['JournalArticle', '	https://www.aclweb.org/anthr	Task
275		_	Sentiment Analysis of Tweets using 2ebccc77038444 6512571 https://www.sert.SVM	Community is view and feedback. here always proved to be the most essential and valuable resource for companies and organizations. With social media larging the emerging trend among everyone, it passes says for unprecedented analysis and evaluation of invasion aspects for with comparizations had beyon unconventional, their communing and emerging comparisations that they on unconventional, their communing and emerging analysis and evaluation of invitingue an analysis including expects with comparisations had been preceded extra under defined potations. There are several tools and algorithms available to perform sentented detection and analysis including appreciated graphers and preceded extra under defined potations. There are several tools and algorithms available to perform sentented detection and analysis including appreciated part of the special potation and analysis including activated performs an analysis in the special potation of the special potation and analysis including activated the special potation and analysis including a special potation and analysis including activated the special potation and analysis including activation and activate and analysis in the special potation. As an activate and activate analysis in the special potation and activate and special potation. As an activate and	2017	32	78	5 [['category: 'Computer Science', 'source'	https://doi.org/10.5120/ijca2(Training Detection
			Scale Up Event Extraction Learning	The task of event extraction has long been investigated in a supervised learning paradigm, which is bound by the number and the guality of the training instances. Existing training data must be manually generated through a combination of expect domain knowledge and cetestes burnain involvement. However, due to disastic efforts required in amoutating test, the exculant distasted are usually small, which severally affects the quality of the learned model, making that not operated. Cover any post exception of presents or cover work develops an automated paragraphic flower great than a manual approach. We advise this by employing distances us be sale up event extraction framing instances from thousands to hundreds of thousands, and if does this at much lower cost than a manual approach. We advise this by employing distant spervation to automatically control except on the sale of the sa						
277		☑	e44b6963297d2x1922464 https://www.sen/Automatic Training Data Generation		2017	23	46	8 [['category': 'Computer ['JournalArticle', '	https://ojs.aaai.org/index.phg	Cost
278		~	Crowd-Sourced Iterative Annotation fi 42ea1cb9439ef7.600201(https://www.sen Narrative Summarization Corpora	We present an iterative annotation process for producing aligned, parallel corpora of abstractive and extractive summaries for namative. Our approach uses a combination of trained annotators and crowd-sourcing, raileowing us to eligible human-generated summaries and alignments quickly and at low cost. We use crowd-storacting ba annotate aligned phrases with the text-to-less generation techniques needed to transform each phrase into the other. We apply this process to a corpor of 476 personal narratives, which we make available on the Web.	2017	21	15	3 [['category': 'Computer ['JournalArticle', '	https://www.aciweb.org/anthr	Cost
200		☑	Application of the Open-Source Energia	This paper develops a path for the global energy system up to 2000, presenting a new application of the open-source energy modeling system (CSeMOSYS) to the community, it allows quite disaggregate energy and emission analysis. Cloub Energy, System Model (CSEMOSYS) color to a system of color and in create color and interest in create color and in the color and interest in create color and interest interest in create color and interest in create col	2017	53	113	2 [['category': 'Computer Science', 'source'	https://www.mdpi.com/1996-	CO2 Emission