Maple NJ 2004, No. 10 at 1 yet 11. Tary Tory Tory Sold Way, Yapen Hai, Tary So Milk, Helder Dang, Hai-P 2004, Dan Hey, Thin Da. Chen Yapen, Torke Dang, Lee Dang, Dan Hey, Thin Da. Chen Yapen, Torke Dang, Hai-Pang, Dan Hey, Thin Da. Chen Yapen, Torke Dang, Hai-Pang, Hai-Pang,





(SCAR), SLMs (6, T, 6, 9) are developed based dea is to build the word prediction made bu

The continued and the continue

parasit dis de un el Liu $\frac{\partial u}{\partial t}$. Un un est est est el Liu $\frac{\partial u}{\partial t}$ and $\frac{\partial u}{\partial t}$ and

 $L_{\left(W\right)} = \left(\frac{N_{\sigma}}{N}\right)^{n_{\sigma}}, \ \sigma W - 0.076, N_{F} - 0.08 \times 10^{23}.$

2. Output:

1. Mac and the second and the helphone of this end the summander for which and excited and the following which the first second and the helphone of this end to be summanded for the following which the first second and the first

When, K_a , K_b and K_b are measured in the number of non-ministing parameters, be number of mixing plans and the souther of Fidely respectively, locating to the registral pure DM, K_b and K_b about the discount by $K_b^{\rm min}$ and $K_{\rm min}$ corresponding to the registral are of compare. We see the simplified non-time of elements or K_b

$$\begin{split} & L_{2} G_{3} = \left(\frac{a_{2}}{2^{2}}\right)^{a_{2}}, a_{2} - 6400, a_{p} - 54 \times 10^{23} \\ & L_{2} G_{3} = \left(\frac{c_{2}}{2^{2}}\right)^{a_{1}}, a_{2} - 6400, c_{p} - 34 \times 10^{2} \end{split}$$

where (ii) denote the cross enterprises in ann. and i follow up softy (iii) from OpenAll has shown that the language modeling become be decomposed into more parts, marrierly inheritable on the enterprise of the true and contribution of methodic from its enterprises of the ALL divergent reviews from and at all and and contribution of methodic from its enterprises of the ALL divergent reviews from and at all and 21th indexs, model sizes OSMM to 13th seven-shedge preservent and relating comprise, under man anomaphies (iii), the anomaphies of the Contribution of the ALL diversals of the General Contribution of the ALL diversals of the Contribution of the Con

where for the model primaries has some depression relation to the time from the form the following the following

$$L(N,D) = E + \frac{A}{2d} + \frac{B}{d}$$

$$\Delta_{\mathrm{div}(C_j)} = G\left(\frac{c}{a}\right)^n$$
, $\Delta_{\mathrm{div}(C_j)} = c^n\left(\frac{c}{a}\right)^n$, (3)

 $\log x_{ij} + \frac{1}{\sqrt{2}} \int_{0}^{1} dx_{ij} + \frac{1}{\sqrt{2}} \int_{0}^{$

The best of the second of the

are expensed to courty to the entity but which and to choose day to what the action consists controlled to discussion. It is a few thereon to the entity of the first the court of the cour

Several control of the Control of th

demonst (Mala, Addison, Challe, Chall

The second process of the second process of

Type (ext.), serious imposses, a private parties and serious stages in producting the production imposses, and producting the production imposses, and producting the production imposses, and producting the production are serious and production in the serious production in the serious personal consistent and production in the serious by provincing them, and in serious the serious production in the serious by provincing them, and is serious to the serious serious and in the production in the serious serious

Count, when the count with the count

			00.	Model	_				(EPD/TPD)	Time	_	
	15 (62)	DOLCALIA	11				17100901	Apr-2019	1804 393 (3			
	w(11 (KB))	0112838	33				13 token					
	Fe00v (H)	Apr 2011	TI				1.078		2048 Assemble Ville			
	C956 2 (RF)	No-2621	299				160					
	19 (28)	Om 2921	- 11	75					50 TH st	17.5	7	
		Man cach	-				2778 (1864)		AL 1114		ĵ.	
		Apr-2011	24				RISCH		36 400.3300			
	Thisnings (68)	Apr-2011	-33	35					256 379 +3	4.5		
	(1.1.99)	MAY CROS	26				17106991	A61-2019	202 375 14			
		May 2902	-0.0				care robour		902 800 X 200		7	
	NLLE (91)	14,300									0	
	CodeCont NO	199-2012	13				KIR Géres		TER Assend VIII	60-2		
	GNISS	Om 2902					and obco		758 695 3300	60-5		
	The T3 969	Dec 2800	33	13								
	BLOOM THE	794Y-2002	136				20210440		204 000 1200	100-8	7	
		New-2002		1075							0	
		New 2002		M.17			188 roken				ĵ.	
							DRE-token					
		764Y-2002	276	ROOM								
	GUY SHE BARE	340-3611	175	097					129 690 3300			
	LLora (97)	Feb-3633	65				LAT release		2948 895 3300	21.4		
	Pretio (M)	A01-2003	12				per colore		D8 600 8300		7	
			*									
	1380,491 (7.1	May 2923					ent obou					
	NarCole (68)	May 2003					STinten		102 690 8300			
	LL0002 (99)	34-3003	.70				27100966		2888 880 8300			
	Seldroon) (100)	5ep-3031	33			1	LGT release		1304.6800			
	OVER DRUI	5re-2023	- 14				27 tolero				7	
							With the same		110 4000	77.4	ĵ.	
	FLM (1882)	199-2023										
	HAM (1882) Skywach (2000)	109-2023 Del-2023	383				XII block		102 890, 6900			
nabay Volidir	Skywark (2000)	001/2023	13		í		XII idens		10.2 BHC 4800	-	÷	
rustray Voltatio	SKyweck Esses GPT-0 (ESS)	Del CROS	13	-		-	XII televisi 2008 televis	-	-	-	7	
ruskiy Volkin	Skywerk (2000) OPT 1 (100) Object (2004)	041-0828 May-0828	33 373 686	1		-	XIII belove 2008 rodens 1710kmi	-	2948 397 13	44	1	
Publish	Skywick (2000) GPT 0 (00) GSbank (100) Codes (100)	Del-2023 Stay-2020 Sels-2024 Sels-2024	17 175 686 12	-		-	SEE OFFICE STEENS SEEDS STEENS SEEDS		296 397 cl	***	j	
Publish	Skywerk (2000) OPT 1 (100) Object (2004)	041-0828 May-0828	33 373 686	1		-	XIII belove 2008 rodens 1710kmi		2948 397 13		1	
Pubbly Stabilis	SKYWICK (2000) OPT 1 (55) Object (1861) Codes (1803) 10000 10 (1864)	Del-2023 Stay-2020 Sels-2024 Sels-2024	13 686 12 30	1		-	SEE OFFICE STEENS SEEDS STEENS SEEDS		296 397 cl		j	
Publically Variables	SKywerk (2000) OPT O (2001) Obbasel (2001) Obbasel (2001) Obbasel (2001) December (2001)	04-003 94-003 94-003 94-003 Aug 003	13 686 52 26 28	GFT3	-	1	3.37 inferior 2008 inferior 277 inferior 2708 inferior 2008 inferior		2948 375 43 284 5300 800-08U		7	
Publish	Skyrock (2000) OPT 0 (004) Obland (004) Codes (2007) OPE 0 (004) December 1 (1017) Reper Code (2008)	Del-2023 Stay-2028 Stay-2028 Sel-2023 Sep-2023 Sep-2023	175 686 52 28 179 83	GFT-0		-	SEE School STORES STORES STORES STORES STORES		2948 375 v3 384 5300 800 070 1304 4300	3344		
Publish	Styrent (2000 OFF 1 (200) Obere (200) Obere (200) Obere (200) Obere (200) Obere (200) Styrent (200) Styrent (200)	040-0403 543-0403 543-0404 543-001 549-003 549-003 549-003	13 686 52 29 13 61	GFT-0			3.17 Inhera 2008 Colesso 17 Colesso 17 Colesso 27 Mill Colesso 2008 Colesso 18 Mill Colesso		2948 399 v3 384 5300 800 090 1304 4300 128 399 v3			
Publish	Signesis (2000) OPT O (201) Obtace (1984) Obtace (1984) Obtace (1987) Report Colds (1986) PLAN (47) Trans Cold (1986)	04-2023 541-2025 341-2025 341-2023 Aug 2023 Sep-3623 (nr-362)	171 686 12 28 13 13 14 14 14 16	GFT-0		1	SST Inhers 1910 Inhers 1910 Inhers 1910 Inhers 1910 Inhers 1910 Inhers 1910 Inhers		2948 375 v3 384 5300 800 070 1304 4300	3344		
Publish	Styrent (2000 OFF 1 (200) Obere (200) Obere (200) Obere (200) Obere (200) Obere (200) Styrent (200) Styrent (200)	040-0403 543-0403 543-0404 543-001 549-003 549-003 549-003	13 686 52 29 13 61	GFT-0			3.17 Inhera 2008 Colesso 17 Colesso 17 Colesso 27 Mill Colesso 2008 Colesso 18 Mill Colesso		2948 399 v3 384 5300 800 090 1304 4300 128 399 v3	3344		
Publish	Signesis (2000) OPT O (201) Obtace (1984) Obtace (1984) Obtace (1985) Strong C + (1985) Report LOSA (1986) PLAN (47) Trans LO (1986)	04-2023 541-2025 341-2025 341-2023 Aug 2023 Sep-3623 (nr-362)	11 12 12 13 14 15 16 16 16 17	GFT-0			SST Inhers 1910 Inhers 1910 Inhers 1910 Inhers 1910 Inhers 1910 Inhers 1910 Inhers		2948 399 v3 384 5300 800 090 1304 4300 128 399 v3	3344		
Publish	Report (1995) OFF O (1997) Codes (1995) OFF O (1995) OFF O (1995) Report (1995) Propert (1995) Analogo (1995) Analogo (1995) Analogo (1995) Propert (1995)	Dec 2023 343-2020 343-2021 343-2021 Aug 2023 Sep-3023 Ger-2023 Sec-3023 Sec-2023	10 10 10 10 10 10 10 10 10 10 10 10 10 1	GFT3			SIT bless SIM Gless		2948 399 v3 284 5300 800 0910 1300 4300 1301 597 v3 2131 6910	33.44 603		
Publicy	Rywork 1000 OPT 0 (88) Obtact (188) Colon (188) HORE 0 (188) Rywork (188) Flank (188) Flank (188) Andrope (188) Andrope (188) Support (188) Wolfer (188)	Dec 2023 Jun-2020 Jul-2023 Jul-2023 Jul-2023 Sep-2023 Sep-2023 Sep-2023 Sep-2023 Sep-2023 Sep-2023 Sep-2023 Sep-2023 Sep-2023 Sep-2023 Sep-2023 Sep-2023	175 686 52 52 53 53 53 53 53 53 53 53 53 53 53 53 53	GFT3			3.37 inhera 2000 inhera 27 inhera 2700 inhera 2000 inhera 2000 inhera 2000 inhera 2000 inhera 2000 inhera		2048 379 43 384 1300 800 090 1301 4300 128 379 43 2131-680	13.44 603 	**********	
Publical	Rywork 1000 OPT 9 (88) Object (188) Codes (188) DOME 30 (188) Rywork (188) Flace 10 (188) Robert (188) Wolfer (188) Support (188) Wolfer (188) Support (188) Wolfer (188)	001-2023 943-2020 943-2021 943-2021 949-2023 949-2023 949-2023 949-2023 949-2023 949-2023 949-2023 949-2023 949-2023 949-2023 949-2023 949-2023 949-2023 949-2023 949-2023	13 13 13 13 13 13 13 13 13 13 13 13 13 1	GFT3			XII adesa 2000 infess 171 okus 1810 infess 2000 infess 2000 infess 1810 infess		2949 395 v3 384 5300 900 0950 1304 8300 128 395 v3 2136 6850 	13.44 603 	2 - 2 2 2 2 2 2 2 2 2 2 2	
Publical	Rywork 1000 OPT 9 EM Obset (1981) Obset (1981) IDEC 10 SEM Provided (1981) Provided (1981) Pro	Doi-2023 949-2020 949-2023 349-2023 649-2023 649-2023 849-2023 849-2023 849-2023 849-2023 849-2023 849-2023 849-2023 849-2023 849-2023 849-2023	13 68 53 13 13 13 13 13 13 13 13 13 13 13 13 13	GFT3			337 bless 300 bless 37 bless 250 bless 300 bless 180 bless 180 bless 200 ble		2949 395 v3 384 1300 800 09U 1304 8300 128 395 v3 2135 69U 	13.44 603 	**********	
Pakky	Report 1000 OFF 0 DM Other (DM) Color (DM) EVERT 30 Deal (DV) 30 Deal (DV) 30 Deal (DV) 40 Deal	Col-2023 May 2020 Jul-2020 Jul-2021 Jul-2023 Sep-2023 Sep-2023 Sec-2023 Sec-2023 Sec-2023 Sec-2023 Sec-2023 Sec-2023 Sec-2023 Sec-2023 Sec-2023	12 25 26 27 27 27 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28	OFF S			XII idena 200 Génes 1710km 1310km 130 Génes 200 Génes 20	May 2009	204 771 43 204 730 800 201 100 430 123 707 43 123 707 44 1804 707 44	13.44 603 		
Pakky	Rywork 1000 OPT 9 EM Obset (1981) Obset (1981) IDEC 10 SEM Provided (1981) Provided (1981) Pro	Doi-2023 949-2020 949-2023 349-2023 649-2023 649-2023 849-2023 849-2023 849-2023 849-2023 849-2023 849-2023 849-2023 849-2023 849-2023 849-2023	12 25 26 27 27 27 27 27 28 28 28 28 28 28 28 28 28 28 28 28 28	GFT3			337 bless 300 bless 37 bless 250 bless 300 bless 180 bless 180 bless 200 ble		2949 395 v3 384 1300 800 09U 1304 8300 128 395 v3 2135 69U 	13.44 603 	2 - 2 2 2 2 2 2 2 2 2 2 2	
Nativity undefine	Rywork 1000 OPT O DES ORNOR (1981) Codes (1981) Codes (1981) Rywork Original Rywork Original Paris to Jimil Paris to Jimil Paris to Jimil Paris to Jimil Paris to Jimil Casa (1981) Casa (1981) Laddon (1981)	Col-2023 May 2020 Jul-2020 Jul-2021 Jul-2023 Sep-2023 Sep-2023 Sec-2023 Sec-2023 Sec-2023 Sec-2023 Sec-2023 Sec-2023 Sec-2023 Sec-2023 Sec-2023	12 23 23 23 23 23 23 23 23 23 23 23 23 23	OFF S			XII idena 200 Génes 1710km 1310km 130 Génes 200 Génes 20	May 2009	204 771 43 204 730 800 201 100 430 123 707 43 123 707 44 1804 707 44	13.44 603 		
PARTY	Reywork 10000 OPT 0 (MS) OPH 0 (MS) OPH 0 (MS) EMERICAN (MS) Reywork (DOI-10031 MAY-20031 Jul-20031 Jul-20031 Jul-20031 Jul-20031 Jul-20031 Jul-20031 Jul-20031 Jul-20031 Jul-20031 Jul-20032	10 10 10 10 10 10 10 10 10 10 10 10 10 1	GFT 0			XII ideas 200 Ofess 171 Obes 170 Odes 200 Odes 2	May 2009	204 771 43 204 730 800 201 100 430 123 707 43 123 707 44 1804 707 44	13.44 603 		
Makely year	SQUEST SEED STATE OF SEED SEED SEED SEED SEED SEED SEED SEE	DOI-0023 MAY-0028 Jul-0021 Jul-0021 Jul-0021 Sep-3023 Sep-3023 Bec-3023 Bec-3023 Bec-3023 Bec-3023 Jul-0022 Jul-00	13 600 52 53 53 53 53 53 53 53 53 53 53 53 53 53	OFF S			337 bleva 398 bleva 1710km 1710km 278 bleva 398 bleva 188 bleva 398 bleva 398 bleva 298 bleva 29	May 2009	204 771 43 204 730 800 201 100 430 123 707 43 123 707 44 1804 707 44	13.44 603 		
Makely year	Report 1995 GPT-1995	Dec 2022 Stay 2020 Jun-2020 Jul-2021 Jul-2021 Sep-2021 Sep-2021 Sep-2021 Sep-2021 Sep-2021 Jun-2022 Jun-2	10 10 10 10 10 10 10 10 10 10 10 10 10 1	OFFI OFFI OFFI OFFI OFFI OFFI OFFI OFFI			XXI bless 200 febru 2110km 1110km 1110km 100 febru 200 febru	May 2009	204 201 13 204 200 205 201 13 205 201 13	13.44 603 		
Publicy	Report 1995	DOI-0023 MAY-0028 Jul-0021 Jul-0021 Jul-0021 Sep-3023 Sep-3023 Bec-3023 Bec-3023 Bec-3023 Bec-3023 Jul-0022 Jul-00	10 10 10 10 10 10 10 10 10 10 10 10 10 1	GFT 0			337 bleva 398 bleva 1710km 1710km 278 bleva 398 bleva 188 bleva 398 bleva 398 bleva 298 bleva 29	May 2009	204 771 43 204 730 800 201 100 430 123 707 43 123 707 44 1804 707 44	13.44 603 		
Publicy	Report 1995 GPT-1995	Dec 2022 Stay 2020 Jun-2020 Jul-2021 Jul-2021 Sep-2021 Sep-2021 Sep-2021 Sep-2021 Sep-2021 Jun-2022 Jun-2	10 10 10 10 10 10 10 10 10 10 10 10 10 1	OFFI OFFI OFFI OFFI OFFI OFFI OFFI OFFI			XXI bless 200 febru 2110km 1110km 1110km 100 febru 200 febru	May 2009	204 201 13 204 200 205 201 13 205 201 13	13.44 603 		
Makely yes	(Exercic 1998)	On-003 May 203 Jun-203 Jun-203 Jun-203 Sep-303 Sep-	171 688 578 578 573 574 575 576 576 576 576 576 576 576 576 576	OFFI OFFI OFFI OFFI OFFI OFFI OFFI OFFI			XXT block 371 Oken 171 Oken 171 Oken 170 Oken 270 Oken 27	May 2009	204 207 13 204 200 500 207 100 400 100 207 13 203 507 13 400 107 13 400 107 13 400 107 13 400 107 14	13.44 003 5003 2793 5034		
	(Kristic 1998) OPT 1 (M) OPT 1	Dec 2023 May 2023 Jul 2024 Jul 2024 Jul 2024 Jul 2024 Sep 2023 Jul 2025 Jul 20	170 180 181 181 181 181 181 181 181 181 18	OFFI OFFI OFFI OFFI OFFI OFFI OFFI OFFI			XXT block 371 Oken 171 Oken 171 Oken 170 Oken 270 Oken 27	May 2009	2848 3921 v3 284 3300 800 000 100 100 100 100	13.44 903 		
	(Create Limit)	Dec 2023 May 2023 July 202	10 10 10 10 10 10 10 10 10 10 10 10 10 1	OFFS OFFS OFFS			XXT bloom 327 Glore 327 Glore 328 Glore 328 Glore 338 Glore 348 Gl	May 2009	2040 399 v3 2040 390 v3 200 209 200 309 v3 203 399 v3 2030 399 v3	13.44 605 5005 279.5 537.4 		
	SCHOOL SUBSECTIONS STRY SELECTION STRY SELECTION SCHOOL SELECTION STRY SELECTION STRY SELECTION STRY SELECTION STRY SELECTION STRY SELECTION STRY SELECTION	Dec 2023 May 2023 Jah 2024 Jah 2024 Jah 2024 Sep 2023 Jah 2024 Jah 2023 Jah 20	13 13 13 13 13 13 13 13 13 13 13 13 13 1	OFFI OFFI OFFI OFFI OFFI OFFI OFFI OFFI			XXT bloom 327 Glore 327 Glore 328 Glore 328 Glore 338 Glore 348 Gl	May 2009	284 372 v3 284 3720 284 3720 285 287 v3 221 372 v3 221 372 v4 221 372 v4 221 272 v4 221	10.44 605 5005 5005 5005 5006 5006 5006 500		
	October 1998 977 0 1914 977 0 1914 Ochon (1905) Ocho	One SECS 1 SE	13 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	OFFO OFFO OFFO OFFO OFFO OFFO OFFO OFF			XXT bloom 327 Glore 327 Glore 328 Glore 328 Glore 338 Glore 348 Gl	May 2009	2040 399 v3 2040 390 v3 200 209 200 309 v3 203 399 v3 2030 399 v3	1044 605 5005 5005 5006 5006 5006 5006 50		
Politicity (PETRONIC (1988) SETT O (1981) Codes (1984)	Dec 2023 May 2023 Jah 2024 Jah 2024 Jah 2024 Sep 2023 Jah 2024 Jah 2023 Jah 20	13 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	OFFI OFFI OFFI OFFI OFFI OFFI OFFI OFFI			XXT bloom 327 Glore 327 Glore 328 Glore 328 Glore 338 Glore 348 Gl	May 2009	284 372 v3 284 3720 284 3720 285 287 v3 221 372 v3 221 372 v4 221 372 v4 221 272 v4 221	10.44 605 5005 5005 5005 5006 5006 5006 500		
Politicity (PETRONIC (1988) SETT O (1981) Codes (1984)	One SECS 1 SE	13 15 16 16 17 17 17 17 17 17 17 17 17 17 17 17 17	OFFO OFFO OFFO OFFO OFFO OFFO OFFO OFF			XXT bloom 327 Glore 327 Glore 328 Glore 328 Glore 338 Glore 348 Gl	May 2009	284 372 v3 284 3720 284 3720 285 287 v3 221 372 v3 221 372 v4 221 372 v4 221 272 v4 221	1044 605 5005 5005 5006 5006 5006 5006 50		
Politicity	October 1998 977 9 1914 977 9 1914 October 1956 October 1956 October 1956 October 1956 October 1956 October 1957 Octobe	Dec 2023 Sub-2028 Sub-20	13 15 15 15 15 15 15 15 15 15 15 15 15 15	OFFO OFFO OFFO OFFO OFFO OFFO OFFO OFF			33T bless 388 folias 1710km 1710km 188 folias 288 folias 388 folias	May 2009	2040 THE 12 2040 THE 12 2000 ED0 2000 ED0 2020 THE 12 2126-690 4005 THE 12 4005 THE 12 4004 THE 14 128 4500 ED0 502 THE 14 502 THE 14 502 THE 14 502 THE 14 502 THE 14	9344 605 993 993 974 974 974 974 974 975 975		
Politicity	(Permit Igade) 979 (ES) 979 (ES) 979 (ES) 970 (ES) 970 (ES) 970 (ES) 100 (100 (100 (100 (100 (100 (100 (100	Dec 2023 Sub-2020 Sub-20	271 600 273 273 273 273 273 273 273 273 273 273	OFFO OFFO OFFO OFFO OFFO OFFO OFFO OFF			3.33 bilana 1.54 bilana 1.55 b	May 2009	284 372 v3 284 3720 284 3720 285 287 v3 221 372 v3 221 372 v4 221 372 v4 221 272 v4 221	2003 2003 2003 2004 2004 2004 2004 2004		
Politicity	(Permit Igade) 979 (ES) 979 (ES) 979 (ES) 970 (ES) 970 (ES) 970 (ES) 100 (100 (100 (100 (100 (100 (100 (100	Dec 2023 Sub-2028 Sub-20	271 600 273 273 273 273 273 273 273 273 273 273	OFFO OFFO OFFO OFFO OFFO OFFO OFFO OFF			33T bless 388 folias 1710km 1710km 188 folias 288 folias 388 folias	May 2009	2040 THE 12 2040 THE 12 2000 ED0 2000 ED0 2020 THE 12 2126-690 4005 THE 12 4005 THE 12 4004 THE 14 128 4500 ED0 502 THE 14 502 THE 14 502 THE 14 502 THE 14 502 THE 14	2003 2003 2003 2004 2004 2004 2004 2004		



2.1 Technical Destinate of GPT series Meddle.
1.2 Technical Destinate of GPT series Meddle.
1.3 Technical Destinate of GPT series Meddle.
1.4 Technical Destinate of GPT series Meddle.
1.5 Technical Destinate of GPT series Meddle.
1.5 Technical Destinate Operation of GPT series of GPT series of GPT series of GPT series.
1.5 Technical Destinate Operation of GPT series of GPT series of GPT series.
1.5 Technical Destinate Operation of GPT series of GPT series of GPT series.
1.5 Technical Destinate Operation of GPT series of GPT series.
1.5 Technical Destinate Operation of GPT series of GPT series.
1.5 Technical Destinate Operation of GPT series of GPT series.
1.5 Technical Destination of GPT series of GPT series of GPT series.
1.5 Technical Destination of GPT series.
1.5 Technical Destination

relating and the first continuous in contrasting or contrasting and contrastin

Lagrant Submarrant. Do no its veries capacities, OFT has been this him reduct in bring more more controlled to the contr

Blericones of Language Models. Based on all the exploration efforts, two major milentance have been red by OpenN, namely ChatGPT [131] and GPT-4 [46], which have largely mixed the capacity have of gold Nystens.

The Control of the Co

simplemed with dischanding upper disk in provide models. Are, misstenseemen.

Beginshi ship paper has her send it landsom also expense tables, generally also quiete, with format more or presentally ship respect which as one profit cover full. More frontions or track with format more or presentally ship respect with a sense profit cover full. More frontions or track to fall the sense of the se



Figure 5:4n evolutionary graph of the research work conducted on LLaMA. Due to the bage number, we cannot include all-the LlaMA varients in this figure, even much excellent work. To support increments update, we share the source file of this figure, and vedocrate the research is include the desired models by submitting the qual recombs on our Edith state.

3 Resources or LLMs

The Reconstruct LLMS

And the recent was placed and depty requested to this consistency the children process and the chil

Special region of the processing of the processi

Chicotto General Landon (Chicotto General Chicotto Chicotto General Chicotto Chicotto General Chicotto Chicotto General Chicotto Chicott

related from the court (see, the number of performance and conduction of the Units could be seen that the court of the cou

			Latest Tydair?
SeekCorpus (ESS)	569	Broks	Dec 2005
Currentwy (1748)		Becks	Dec 2023
0.821	100CB	commontrae	Aproxim
CC Stories E (SSS)	50.00	CommonCraw	5ep-2819
CERRYS (27)	7968	CommonCram	30-203
SEALMENT DESCRIPTION	12968	commonEne	Aproxim
OpenPirk East [197]	5668	Robbit links	Mar-2003
Pushfilia (198)	2776	Reddi Indo	May 2003
Wikipeda (199)	23.68	tritipedia	Mai-2003
NgOwey (1982)		Codes	Mar-2003
Che Pile (DEE)	KOUCE	Dillow	Dev 2008
99075 (192)	1,000	Other	340-0302

A Common Order Corpur for Personality

12. Common Order Corpur for Personality

13. Common Order Corpur for Personality

14. Common Order Corpur for Personality

15. Common Order Corpur for Personality

16. Common Order Corput for Personality

Appear in the control of the control

LLAMA [33] extracts training data from various sources, including CommonCovel, C4 [32], Gilhab, Wikipeda, books, Aribs, and SteckEnchungs. The training data size for LLAMA (100 and LLAMA (100 in LRT oriens with LRT frience are used for LLAMA (200 in LRT oriens with LRT frience are used for LLAMA (200 in LRT oriens).

cuspide		TERM	
	Not her been	Apr-2011	1108.
	ELAS (67)	149-2521	4.406
	23 part	Dec 2023	121M
THE	Super No. box Dis	Apr 2011	200
	HEROCHEN DIEG	Jun-2022	400
	X70 (96)	New 3002	E316
	000(360)	3634-2202	400
	101-151/0 (170)	Apr-2011	1108.
	HOUSETT!	Jun-2923	60%
Chat	ShareOFT (148)	36ar 3003	106
	0x8y(272)	Apr 2003	138
	Openitoriose (\$75	1 Apr-3655	193
	Self-Institute (SE)	Per-2011	605.
	Alpera (137)	3534-2003	108
Synthetic	Gennes (176)	363F-2003	305W.
	Sales (175)	Apr-2015	1586
	BELLE STREET	Att-2003	1.096

Summarks from Feedback \$1296	Sep 2020	1108
S82 (F77)	001-0821	2908
WelceT Comparison (RT)	Sec-3011	196
took todangi freferensi (196	Dec 2011	306
XX 800 (170)	Apr-2002	1506
Sandica digunesi Data (179)	36ey-2923	1596
CTSSSH (188)	34-1003	1408
PELSONETTETT	00.202	2005

13. Common York diseases for Three conjugates of the processing a segment and conjugates and con

Training Control of the shall provide the handwards in a support comes. Instead, 1 (See 1.1 and 1.1 an

ShowGFF [Mil] is collected from a data collection planform where sams can upload their conversations with ChaFFF or GFF-4 through the ShawGFF AFF Conventy, this dataset consists of approximately 90,000 conversations in decision was learned as or learned from horses and reseasons from ChaFGFF.

Openduminant [132] in a multilingual curpus comining 66,697 real-world conversation even between human and Al austrate. Each conversation even consists of multiple nodes, and such node represents the information generated by a role in the fishopse. It spaces 35 languages and includes 441,332 manually constant articles are not not necessary.

Delp (112) is as English disease comprising 35,000 homorpmented data instances (prompt response paint from Disabitides. This disease covers seem densities confined in the instructioTT (ME, including historicoming disabitions, done level equally assurance, generation, information extractions, open-hook quality assurance, and instrumentation.

Synthetic Datasets. This kind of distases are replicibly constrained by instructing LLMs, based on pre-defined guidance rules or methods. In this category feld-instruct-GEE [144], Alpica [146] and Baire [175] are free customedy used synthetic datasets for LLMs.

Fore convolve your further it desires for LLMs.

— Spil branch SLE [12] is an internation down generated annuals the sub-liverant [LLI] method, consisting,
of SLEAD insurance with SLOAD insurance, conversely, for eachier conterns 175 will insurance, and steel as a SLEAD insurance, and steel as for successive products of the branches proper due to LLI [12] by synthesis soldiestal insurance, based on successive part and the branches on reference. Schengerich, the LLMs is strick instructed to preserve insurance layers and their branches are referenced, support that the of the project insurance, and still and less the Self-branches Classification.

Autor (175) is on Digitals multi-turn overvessition corpus constructed using ChatGFT, comprising 111.08
instances. To create Dates, a method called "self-chat" (179) is purposed, where ChatGFT takes on the roles of
look the user and the AI assistanc in turns, presenting information in a conversational format.

Not how are also if a statement in temp, personal principal content in a conventional leave.

1331: Alignore designed statement in the principal in the content lad popular dataset for expired (13 host statement in the principal content in the pri

Stack Exchange Preferences [178] Scores on the helpfalment of answers. It comprises about 1000 eparations and answers from Stack Overflow. Each instance consists of a question and more than two corresponding answers. Each answer is annotated with a score calculated hased on its visio and a label formation of the state of the contract of the cont

dentity ordered in solicited.

Seedlow Allipsech 1984 (129) is an oliginated dissect containing freelands from LIMA rather than branch it resemble from virtual presentation environment collect MANDED, where the model considers solicite solicities are accordant to the accordant containing to the accordant containing to the accordant containing to the desemble containing to the effects from when models. The desemble containing to the effects from when models the desemble formation models accordant to the accordant policities and the accordant policities and improve containing the accordant policities and improve containing accordant policities and improve containing accordant policities.

3.4 Library Resource In this part, we briefly introduce a series of available libraries for deep

Transferences (IEE) is an open-source Python library for building models using the Transference architecture, which is developed and materiated by Hingsing Face. It has a simple and user-friendly AE, making it only to use all contamine varieties pre-frained resolich. In a powerful kilony with a large and active commands of users and developers who regulately aplate and improve the models and algorithms.

Despite of [11] is a deep learning optimization library (compatible with Pythoch) developed by Microsoft, which has been used to train a number of LLMs, each as HT-NLD [113] and BLDOM [26]. It provides the support of various optimization techniques for distributed training, such as memory optimization (2400 behaving, assisted techniquistical, and uppliese paralleless).

Megazone LM (15, 26, 27) is a deep learning library developed by NVIDIA for staining large-scale language models. It also provides rich opticitation sochridges for distributed mixing, including model and day parallelian, rules opening and intaining, and illushraterion. These optimization wheelpages can largely parallelian, rules optimization.

JAX [188] is a Pytion library for high-performance machine learning algorithms developed by Google, allowing users to easily perform computations on across with hurdware acceleration (e.g., GSU or TPUL it enables efficient computation on various devices and also supports several featured functions, such as automatic differentiation and task other computation.

administ (Effects sixtuation and Justice Compilation.

Collowald MILIDS in Sept polymering Extract projects by 1977-CM. The first training large-soils All models. In implemental training sixtuation of profile training sixtuations, programs, Evolumental Collowald Compilation of the Collowald Coll

INITINAN (201) is an efficient library developed by OpenINER for tokining models with large-scale parameters in a distributed manuer, which emphasizes code simplicity, live resource, and high availability.
 INITINAN has already incorporated several common LLMs (e.g., Fine-95 (60) and GLM (60) into its



4. Procedurations
The resulting season for the addition of LLMs. By pre-making on large-sole corpora, LLMs can argine control large-parameters and the LLM of the process, the solid set of parameters and the LLM of the process, the solid set of parameters are present LLMs, and a selection of the solid set of parameters are present to the control of the selection of the

The second processing and the second process

- Asolic Compared to other corpus, boils provide an inpermet sums of femal long was, which are parentally beneficial for Likits to bear Ragistric basedegs, node Rageers dependency, and persons another surfacements. The clotal pro-second wide collective and supply refer for looks all bediscripts (drivens, which are racidals to the first home (III).
 Specialized from Base Specialized from second to supply regular completion of Likits on downstream tasks. Next, we introduce these ladds of specialized from.

Among the same decreases whether of the street species for gother significant (III) in a Mining of its obtain to be a for a for purples, and proposed a Mining of its obtained and street in the stre

such systems of markets the different forms of this six as and fit and in the approach because of the property of the six as a si



Adult (March, & version required to more an electrication and complete and provide an electrication of the electrication and a secondary of the electrication and electrication a

SITM tay parpeted, before an extra contraction of the contraction of t

Annual Design of the Section of the

The second of t



As One Section 1992. The model is shown a relative to the section of the section

meet on per whoppe, and Outston. Bill pupils treasmen the enter of the Chr. 1 preside.

The control of the Chr. 2 president of the Chr. 3 president of

bilitriciard base.

Bilitr

belague described and in Carlottation desported in a front to a final report of the control of t

 ∞ APCHIESTABLY. In this section, we review the architecture design of LLMs, i.e., maintenant architecture, pre-training objective, and detailed configuration. Table \underline{V} presents the model conduct of several representative LLMs with public details.

TABLE VI Model cards of several scienced LLMs with public configuration details. Here, PE denotes position embedding EL denotes the number of layers, till denote the number of attention heads, d_{mate} denotes the size of hidden cause, and McL. denotes the numbers caused length during minings.

Model	Category	Size	Normalization	PE	Activation	\$5.54	PE.	111	Anne	MC
CPT3 [35]	Canad deceder	1798	Per Lagaritions	Losmod	OvEU	-7	96	96	12298	294
Partition (NE)	Canal devolve	2078	Per LaparNova	Lorend	GuLU	1	66	128	16764	103
CB.I.[40]	Canad deceder	17500	Per LaparNova	Learned	ReLU	V	166	96	12298	204
NAM[N]	Canal devolve	5400	Per LaparNova	8-26	SwiffEll	×	118	48	1802	294
BE DOM[76]	Canad deceder	1768	Per LaparNova	ALIGN	OvEU	V	70	112	14036	204
MENTO DESCRIP	Canad deceder	5300					206	128	20000	294
Doplor [66]	Canal devolve	2900	Per RMNNorm	Relative			30	128	16764	294
Chinchille [30]	Canad deceder	708	Pro RMSNorm	Relative			90	64	8192	
Odarica [15]	Canad deceder	1208	Per Laparitions	Learned	GuLU	×	166	80	10240	294
-MDA[68]	Canal devolve	13398		Relative	CHCELU		66	128	8192	
Sessio (SET)	Canal decolor	1768	Pre Lagarbinem	Learned	GeLU	\checkmark	%	%	13824	294
LL-MA [77]	Canad deceder	659	Per RMSNorm	8-26	SwiffEll	×	30	64	8192	294
LL-MA.2 [99]	Canad deceder	708	Per RMSNorm	848	SwiffEll	×	30	64	8192	429
Falore [16]	Canad deceder	400	Per LaparNova	8-26	OvEU	×	60	64	8192	204
GEM-1708 (NS	Prefix decoder	1308	Pert DeepNorm	$g_{\alpha}(t)$	GWELU	4	70	%	12298	294
T5 [62]	Secular	110	Per RMSNorm	Relative	ReLU	×	26	128	1026	St



Do tell moder problektligt vellepning for handleren eritheren (William beste for in his best for in his beste for in his best for in his beste for in his best for in his beste for in his best f

actions related belong the continued of the Continued of

where the price bender demand and Their a Section of Assessment and Se

TABLE VE Detailed. Semalations for the network configurations. Here, Subleyer denotes a ITN or a self-stretties module in a Transformer layer. I denotes the size of hidden states, p, denotes position embedding at position 1, 4, denotes the attentions soore between a surer vant a layer, ..., denotes a bounded voider histori

Configuration		Equation
	Pint Norm [22]	Nova(x + Sublayor(x))
Normalization position	Pro Norm (26)	K + Sublaper(Norm(K))
	Sandwick Nove [233]	$\mathbf{x} + \operatorname{Norm}(\operatorname{Sublique}(\operatorname{Norm}(\mathbf{x})))$
	Lepa Nova (254)	$\frac{\mathbf{x} - \mu}{d} \cdot \mathbf{y} + \beta, \ \mu = \frac{1}{d} \sum_{i=1}^{d} \mathbf{x}_{i}, \ \sigma = \frac{1}{d} \sum_{i=1}^{d} (\mathbf{x}_{i} - \mu) t^{\mu}$
Normalization reethod	\$30Nom [277]	$\frac{\mathbf{x}}{\mathbf{EMN}(\mathbf{x})} \cdot \mathbf{y}, \mathbf{EMN}(\mathbf{x}) = \frac{1}{d} \sum_{i=1}^{d} \mathbf{x}_{i}^{d}$
	DowNorm (238)	Lane/Stormin - x + Subbroorisis
	864.01(299)	Setting = marks 8)



that the latest of therefore (III) were appreciate has been judged to endour the transport of the control of the latest of latest of the latest of the latest of latest of the latest of the latest of latest la

- AMDRONE. To Improve the tracking speed of Ligaritherm (LIA, SMEXISME (EM) is proposed by it walling the schristists with only the cost seen signam (SMEXI of the same and extensions, based of the name and streamen, finder to make the description is provided and printension of the transions. Bellet increased the description (EM) and the description of the description (EM) and the schedule (EM) a

Normalization Position. In addition to the recentilization method, normalization goaldon also plays a crucial role in the LLMs. There are generally three choices for the normalization position, i.e., posi-LN, pro-LN, and supplicitly LN.

Used an electricity.

And the letter of the control of the letter of the

Position Embeddings. Suce the self-streams modules in Transformer are permutation optivariant, position embeddings 600 are employed to inject abodute or relative position information for modeling sections.

a. s. souther at most pass orderly, when it wis in covery out a coding process (specific possion of the pass of

The property of the property

Federates, norm only $\frac{1}{2}$ define the four region is required to two or point in the validation of the controller. As $\frac{1}{2}$ $\frac{$

sequent is settle with the first of the process for registeration of the grad unique appears, and process and proc

responding to the properties of the properties o

The Memorius Offeren from once entirely agreement investion method that trade of model quality in trapers the computing efficiency ThinkMontrize (EST proposes to agricios the upon due to several consequence of several consists on critics have all those properties. These visit infection below of a sequence of a page in the consequence of the consequence

the comparation of the foundation of the comparation of the comparatio

Language balance, The increase marking and class is ϕ and constrain and objective symmetric scales and the first three properties of the constraint and the foreign tensions of the constraint and the constraint and the foreign tensions of the constraint and the constrain

preventing $\mu_{\rm eff}$ is define to convenional LM, the densiting asserteding to BDAD has also been visible, used to prevent in agoing models (E.S.E.). The layers, $\mu_{\rm eff}$ in this derive comparison with monotonic prevention produced produced

Bornes de Sill value autre la leur en emplement in production à la complexité de la complex

Figure 30 the probability distribution over the vocabulary in descending order for the next when of the current "I are always I next a pot of". For ease of discussion, this example is given in word units instead of subcoord units.

Invallegations, dress has involving demand for large consert modelling coperation (LLM, volu, net) proposed good many relief good failing volume (LLM, volume net) promoting and many relief good failing volume (LLM, volume net) promoting (or for mone, diposed trainers (OP4 Turker oft in 1828 corean violation; and substrate for failing and contract violation; and substrate for failing and contract violation; and substrate for the contract violation; and substrate for the contract violation; and substrate of the contract violation; and substrate of the contract violation; and substrate contract violation in the contract violation (LLM, volume network violation). More, we restricted the open good violation (LLM, volume network violation) and volume network violation.

on bandle desiration, sould used parties and staying control staying control staying the staying control staying the staying control staying the stayi

should present be a process of the control of the c

Adapting Context Window. Size: Transferrer bound LLIsh have limited crosses windows, they can not directly integrate or utilize the earlier information of the long sequences exceeding the easiest windows. To advise the Intuitives, revent methods adapting LLIsh to long content have been proposed, as discussed below.

below. — needed content window trapped by findocrindensder [356], purallel content window methods. [355, 200] adopt a desilicated emograe relengts to precess toped tool, Speedulg, it desides the traps and translation properties, such independently recented with shorter position embeddings. In the premisers are success made are shall not made that shorter period such contents to previous schools not end support, success made are shall not made that shorter period such contents to previous schools not end support, supporting contents such contents distinguish to the self-of-filters of previous schools not end supporting contents such contents.

Analysis cannot relates have just used too missed that 1150 well is allowed poor relation to the property of t

A Description of the Control of the

but faithful to the deceder-only exchanges are now not forward "nate", "nate", "as "of the encoder deceder and the second of the control of

Does servit Boan search (200 pression the sentences with the n doesn start highest probabilities at each
sep charing the deciding primes, and finally selects the generated response with the tay probability
physically, the beam only an adaptive or desired the magnet of to 6, illnowner, opting for a larger beam size might
must be a deciden in performance (2004).

Leigh pensity. Since beam north farours sharer seatence, imposing leigh pensity sakes, beight
sommilization is a commonly used scholage (191) to reverome this issue, which normalizes the seatence
probability according to the sentence length (\$0.656 by an esponential power a of the length).

Buides, recovering 1212] propose to penalise the generation of previously generated below or as-gune to alleviate the issue of reporting generation, in addition, discress bears search [int] can be investigated to produce as not of there output aband on the same larger.

- Temperature compling. To modulate the condensates of sampling, a practical method is to odjust the temperature coefficient of the subman Succion for computing the probability of the z-0-, token over the recallularity.

$P(x_j \mid \mathbf{x}_{-i}) = \frac{\exp(t_j \cdot t)}{\sum_j \exp(t_j \cdot t)},$ (10)

where I, is the legis of noth word and I is the temperature coefficient. Britising the temperature I nomine for chance of selecting reach with high probabilities which decreases the chance of selecting reach with high probabilities which decreases the chance and selecting reach with the probabilities. Where I is set to I, I leaves the Celebration supplies; when I is approaching II, II is equivalent to greatly search. It is addition, when I goes to Infants, II degreeases to uniform sampling.

The production of the control of the



Description of the control of the co

To the proof of th

Compensions and TELOPS and

Litable [37] applies diverse decoding applies properly suggeste tender, for instance, is employs the greedy search for question enverting (poles to be greedy search for question enverting (poles to be greedy search for questions of CL) questions and CL question (CL) questions and CL question (CL) questions (CL) questions

surpenerare to 8 cas yield more deterministic coputs, about with a sight chains of variability.

4.24 Surveys and Discussion
The detered enhances and pre-training tools may incur of finence industrie blanc for LLLMs, which would had to different model expectate. In this part, we obscure one open tone obsert the architecture choice for LLMs.

1.15%



Anthreum Galler is out to make any official and the delical and the second and th

a staryline, different characters, locs of events, systemin like clam, it's unclear. Dee, let's say that at the last page of the book, the detective has gathered all the clams, gathered all the people and anyling, "doe, I'm going to reveal the indicates of white the clams, gathered all the people and anyling, "doe, I'm going to reveal the indicates of white the clams, gathered all the clams, gathered all the people and anyling, "doe, I'm going to reveal the indicates of the text people and anyling, "doe, I'm going to reveal the indicates of the text people and anyling," does not be a second or the class of the class of the class, gathered all the clams, gathered all the people and anyling, "doe, I'm going to reveal the class, the class of the class, gathered all the clams, gathered all the clams, gathered all the clams, gathered all the people and anyling, "doe, I'm going to reveal the clams, gathered all the class of the cl

Model	Eastch Store (Hookums)	Learning Rate	Warmap	Becay Method	Optimizer	Precision Type	Weight Decay	Grad Clip	Drapou
GPT3-(1750)	32K-0.2M	6 × 10 ⁻⁴	yes	desay to	Adam	FP16	6.1	1.0	
Partie et (2008t)		23/10**			Adam		0.1		
OPT (1750)	216	1.2×10^{-4}	yes	manual shooty	AdmiN	FP16	6.1		0.1
PaLM (5408)	тм⊸ем	1×10^{-4}	-	ngiana ngiana	Addato	8616	b^{α}	1.0	0.1
BLOOM (176B)	414	6×10^{-5}	yes	desay to 1974	Adam	10/16	6.1	1.0	0.0
MT- NLG (5308)	64 K-3.79M	3×10^{-6}	yes	desay to 1974	Adam	10/16	6.1	1.0	
Goplus (2800)	$3M{\rightarrow}6M$	4 × 10 ⁻⁵	yes	design to 10%	Adam	10/16		1.0	
Chimidille (700)	1.5M-3M	1×10^{-4}	yes	desay to 1974	AdmiN	10/16			
Galactica (1208)	2M	7×10^{-5}	yes	desay to 1976	Admit		0.1	1.0	0.1
LaMba (1378)	2566					3916			
Januario 1 (1793)	32 K-0.2M	6×10^{-5}	yes						
LLML((FB)	414	1.8×10^{-6}	yes	desay to 10%	AdmiN		6.1	1.0	
LLatta 2 (798)	414	1.8×10^{-6}	yes	desay to 1974	AdmiN		6.1	1.0	
Falson (HIR)	2M	1.89×10^{-4}	yes	desay to	AdmiN	10/16	6.1		
GEM (1308)	0.4M-829M	EX.10 ⁻⁵	yes	design to 10%	AdmiN	FP16	6.1	1.0	0.1
T5 (118)	666	1×10^{-6}	-	interes replace mod	Addition				0.1
ERNEE 1.0 Titles (2008)		1×10^{-4}			Adam	FP16	0.1	1.0	
Partie S (LOSSE)	0.3M	2×10^{-5}	500		Adam	FP16			

A.3 Model Training

In the large converse to large exchanges, as with for manife [1,1].

In the large converse to large exchanges, as with for manife [1,1].

In present expectation of Libbs, we present do consider and extrap the heads needing, bearing,
in present expectation of Libbs, we present do consider and extrap the heads needing, bearing

Intelligence of the large present present expectation and the large of Libbs of the large contribution of the contribu

Optimizes the Addron sprinter (Eight as m = 1), and m = 1. We have solve moments in m = 1 and m = 1, and m = 1 and m = 1 and m = 1 and m = 1. Moreovally, a sprinterine converse, in Figure 2, m = 1, m

Sold-liking the Training. Enring the processing of ULIAs, is then selfer from the resisting resolution into an other code onlines in selfer to this issue, origin feel steep and gradeed stipping later been exhibit must come the mode onlines in selfer to this issue, origin feel steep and online of the code of the code

43.2 Scalable Training Techniques

4.22 Socials Testing Technique.
Although the Social Social

whether the product of the product o

An experiment as a series of the series of t

A similar properties of the control of the control

consequences would not be the originate consequence and the consequence of the consequenc

whith from the promoted froming of restrange expressions of CDV to States.

5. Assurement on CLUAR

6. Assurement on CLUAR

6.



In consect, instruction acting is the approach to fine-standing provinciand LLMs as a collection of formation between to the form of noticed language LLM, which is highly related to supervise discovering LML and action also proposed noticed LLMS and action also prompts a longing LLMs. In ord or to province the monetant tensor, we refer not see that the constant intermediate contrained formation files, we employ these formated instances to discuss tables in a supervised luminary any $\rho_{\rm c}$, interrupt of the sequence on quarter law formation transp. LLMS are discussed expensively as $\rho_{\rm c}$, interrupt on the sequence on quarter law formation transp. LLMS are discussed expensive addition to provide to a constant to a first law of the sequence of the law of the

seemes removal contract from the contract for the contract contract contract contract from the contract contrac

beneficially maked in an in the left to left from a consistent or most delivers, consistent or secured control of the left from the left from

Rep Tennes for Instance Construction. The quality of instruction instances has an important impact on the performance of the model item, we discuss some essential factors for instance construction.

processor of the control flow or discover control flow of the control flow or discover control f

Madels	Tr	n so Islan	ng	Tr	niel	ng	l	ference (16- bio		bio cui		300
	HOPE	iox	Time	HGPU	100	Time	HGPU	Flinken's	PCPC)	Flicker's	POPC!	#Token's
LLMA.	2	8	3.06	1	30	3.55	- 1	36.6	1	24.3	1	7.5
LLaMA (1360)	4	*	3.15		48	5.16		26.8	2	5.9	1	4.5
(1000)	*	4	6.05	1	24	1436		13.7	4	3.8	2	2.6

The control of the co

Conducting Interaction Pooling and Pro-Drakery, Dr. solit die tracing process mere efficiers and notice, GOPCOM, 1000 composeure pre-mixed and notice processes arrange, which can be regarded an applicationar for resident integrationary for resident injuries produced interactions compressed processing of the resident formation tracers of the resident formation formation formation in an endiproperties of the pre-mixed continuous processing of the pre-mixed continuous processing of the processing compression pre-mixed Little, which processing processing of pre-mixed processing compressions and processing continuous processing continuou

Mortalisation of the securities. While specific persons the securities of the securities of the securities and securities and

Other Practical Tricks. In genetics, there are also several useful strategies and tricks that are helpful to improve the fine-tuning performance of LLMs. We list several representative cone as follows:

Expense for the except performance (TAN). While the confirmmental was an inferent performance of the control of

In addition to the above practical strategies and tricks, existing work has also used other tricks, e.g. concurrenting multiple examples into a single sequence to approach the mass length $\frac{|\Delta k|^2}{2}$.

In the part of the control of the co

Stretches (e.g., and e.g., and e.g.,

Madels	Dateset	Instruction	Lenical	Chat		LX.
NEW POS	Mixtures	Numbers	Diventity	Specifiers.	MMLU	20000
LLiMA (TR)	© FLAN IS	50,000	61.01	23.77	38.58	32.79
	© ShareCPT	63,198	77.31	\$1.50	38.11	22.71
	© Nell Swinson SDK	82,439	25.92	74	37.52	29.80
	0.0	145,625	48.22	71.36	41.26	28.34
	0-0-0	225,628	48.28	79.00	43.69	29.69
	Ch Natl September 52K	82,439	25.92	- /	37.52	29.81
	nel complicates	70,000	20.63	36.96	38.72	23.25
	nd directity	70,000	25.59	81.55	38.01	30.00
	nd difficulty	70,000	73.48	29.15	32.55	31.23
	nd scaling	220,000	57.78	50.13	33.81	26.67
LL-MA (138)	© FLAN IS	90,000	61.01	22.12	34.12	34.00
	© ShareCPT	63,198	77.31	77.13	47.49	13.80
	© Nell Swinson SSK	82,439	25.92	10	36.73	25.43
	0.0	145,625	48.22	72.65	40.36	29.49
	0-0-0	225,628	48.28	69.49	43.50	31.14
	© Nell Swinse SSK	82,439	25.92	7"	36.73	25.41
	nd conglically	20,000	20.43	77.94	44.89	35.77
	nd dirently	20,000	25.59	38.92	44.97	35.41
	nd difficulty	20,000	73.48	80.45	43.15	34.58

This dependance in terminal budge construction and programs of a cold professions or a construction of the construction of the

Task-specific instructions, For the first type of lastiructions, we adopt the most community used multi-task instruction distance, PLAN'S IRM, which contains 1,500 tools and oner SMI instructions by combining four data antitums from point rends.

Amounts of the control and districtions on the home written and tasks, ag arrange designed and applications of the control and

whether the control of effective present presents of principle present presents of the control o

The second of th

principals of immunication (Link, which such the transcripe scaled are with an instruc-tion of the control of the control of the control of the control of the second policy designed of a control of the control of the control of the second policy designed of the control of the control of the control of the control of the second policy designed of the control of th



The LAMA course of the Comparison of the Compari

content of time intent in all PRESENTATION PROPERTY of classes the by relative at the content of the content of

Indigition. The bright of the blood and the control of the bright of the

Americanous, The International Technology of the Control of the Co

aggreg (130 to this size profession and make its implication for the size is not of these sizes of the size in the size of the sizes of

season and professor data then have an indicate.

For highly and proport, to the surface of the first and adults and a enables multiple general angest to the consequence of assemble, and surface to the desire placed objects to the consequence of assemble, and be desired as the college as much as destine of the desired assemble, and the college and the destine angest of the consequence of assemble, and the multiple angest of the desired assemble, and the college and the destine angest of the consequence of assemble, and the multiple angest of the consequence of assemble, and the consequence of assemble and the consequence of a

11Mx to users' queries.

5.2.3 Exinferoment Learning from Human Feedback



To dig LLO, with latter vision, restricted learning from leases fielded $0.010(\frac{1}{12},\frac{1}{12},\frac{1}{12})$ be been proposed to the trace LLDs with the related futures fielded dim, which is useful to represe the proposed to the trace LLDs with the second trace of the second district to the second



HAIF Process. The LEAT or more another compression of their responses a principal LEAT to depute a trained LEAT or posterior and the activation of the contract personal to proceed the process for trained LEAT or posterior and the activation of the contract Plant of the process for training from a contract to the proper and trained contract Plant or proceedings of the process for process described against significant described the activation of the activation of the activation of the process for the activation of the activati

Concession, we have not the first matter of your matter, differ and other in tradition. We have recorded to the property of the control of th

It has not former without how and shalling splane. If they make to prefer water and the control of the control

The State I recover consequence to general recovers degree in eague, below which states of contract and the State I states in contract and the State I state in a mount of a state I state I state in a mount of a state I state I state in contract and the State I s

set files of destruction "

When any parties proposed in front make high is selected from make important
flowers compared and their accession destructed flowers between the control of the control
flowers compared and their accession destructed flowers between their accession destructed flowers and their accession destructed flowers and proposed transfer and proposed flowers and their accession destructed flowers and proposed flowers and the control of the contr

and generated but I bettigger for their first to regal all T methods on of a form than public responsible.

All the global and public and the second of the global and the second of the global and public and the global and g

description of development. A completion of species is in size of little to the other operator.

The other operator is seen to the control of the other operator oper

the continued of the co

Indicates the consequence of the control of the con

control description that is bring control and the control and

5-1. Memory-IJE-Sort More's dialoguestion

Tow to the logs receive of sould processes. Little uses a significant energy begins the tableous

talks a very sould proceed project of an enterlightenia, in the control, we describe our reducted to

talks a very sould project point and enterlightenia, in the control, we describe our reducted to

large out IJLE. The control of the contr

The reseal reserved congruence, quantitation delica receives to the supplica process time the particular terms of the supplica process time. See that is super quantitation to the COS quantitation to the research of the res

An operation between the LLBs.

The operation between the LLBs is a second operation of the control operation of the CVC control on one produced on a serial bear operation of the CVC control on one produced on the control operation of the CVC control on one produced on the control operation of the CVC control on the control operation of the CVC control on the CVC control of the CVC control on the CVC control on the CVC control of the CVC control of the CVC control of the CVC control of the LLBs.

The probability of the control of th

regration comple.

Approach process of the process of the spined special weight that attained a log-reine recommends in the approach process of the disease of spice spines. Get [10] in the process of t

Other Quantization Methods. In the obuve, we mainly focus on PTQ methods, and next introduce two recent studies that explains efficient fine-tuning methods or Qsf methods for quantizing LLMs.

Spiral per a serva per charge qualitate de la primitate quantitate de un telle quantitate de un telle quantitate de un del primitate quantitate de un telle quantitate de un del primitate del pri

seem control which of parameters do not not one of the EU Country of the Seem of the Country of the Seem of the Se

CALLEX Frabution results for quantized LLMAL models (10) and 1300, We employ editing models designed provided by [22] for quantization experiments, which have been inter-and on LLMACI, and the contract of t

	SET		16 kit				8360				4-641		
Medels		Alpandium	MMLU	1001	Mess. (GR)	Alpendism	MMLU	3000	Mess. (Gill)	Alpendism	MMLU	1001	Man
LLANCED.	PLAN-12	0.83	41.34	33.65	12.59	6.0	47.60	33.17	5.65	7.63	49.23	34.17	3.44
	Alpean 52K	32.55	4637	33.66	12.58	33.60	31.96	34.38	6.65	29.57	39.26	32.80	3.94
	NanGPT	72.06				72.86	39.36			20.31	40.08		
LL-04A (139)	FLAN-v2	8.14	51.67	61.65	24.60	7.64	51.00	61.25	12.53	7.52	30.6K	03.6X	2,34
	Alpace SZK	33.60	47.63	36.12	24.60	31.43	47.06	35.88	12.53	30.87	66.20	36.16	234

\$44. Open neuro Liveria and Quantino (LLA)
https://www.indy.neuro.archaen.arch

GPD-6r-LlasM⁽ⁱⁱ⁾ is developed specially for quantizing LlaMA models, it enables 4-bit quantization of LlaMA models of varied sizes hased on the GPD algorithm (LDT, Mos. it provides a companion with Missordyon in both measury and performance GPUs and the project vehicle.

 ANGOTY ¹⁰ is quastization pricking developed based on the CUTO-dignostrate (MLII), which supports INT4
 Improjectations for ULMs. It includes a resolver of quantized models in the Berney, and supports Lakk by
 Improjectation for ULMs. The Cut of the - Strenazys⁽¹⁾ readon is frenchle in run quantized Liabik models on a Mutilitath device. It supports INTA, ISSTS and INTB quantization, which is developed in efficient CC+ implementation, it also supports a number of Liabik hased models, such as Npon and Venna.

Oversted LIMA. Oversted with original condition, quantized language models take a smaller memory beginst used both here a force inference speed LILL. 62. Till Bestrift, a solther of quantized model copies of several publish by these of four inference speed LILL. 62. Till Bestrift, a solther of Quantized model copies of several publish by the extreme of the language for her bestrift, and the language of the language for the language for the language for the language for solting for LILLAG and DIT. Further, I has been also applied to quantize for inference models, unless the language of language for language for the language for

6 Umizzmon

Aggreech	Representative Work	Key Point
	KATE [GS]	Demonstration selection (similar, L-NN)
	69% (62H)	Demonstration solution (down extrintal, constrative learning)
	NO-RCX [490]	Demonstration selection (LLM as the demonstration generator)
In-contest Learning (ICL)	APE [01]	Demonstration format (automatic generation & soluction)
resemptorn	Structural Pempting (296)	Description format (grouped context seconding, resulted attention)
	Clobali & Localii (412)	Demonstration order (entropy) based matrix; probing set generation with LLM)
	Complex CrT [403]	Demonstration (complexity based selection)
	Aste Cult (4NI)	Demonstration (astronatic governition)
Chain-of-	Substitute Informace [435]	Convention (alternate between substitute and inference)
thought	Bell consistency [Chi]	Committee (divorce paths; self-second-le)
Prompting (CoT)	DEVERSE (407)	Constitute (diviene paths), Varification (step wise voting)
	Extinude sugmented encephin (439)	Constition (valueals sampling)
	Last to mad recording (479)	Fire properties (and based mobbins decomposition)
	DECOMP REEL	Fire procession (and based mobbins decomposition)
	PR (HEI)	Plan proposition (last based)
	FWRM CHT (ME)	Fire presention (code based)
	PAL (969)	Plan proposition (code based Prifera)
	HappingCPT [444]	Plan presention (sode based, models from HappingFace)
	Add/Sensor [665]	Plan reformed (skill memory)
Pleasing	TIP (444)	FreeBrack association (visual resourcism)
Linnan	EAP(487)	Finalback association (LLM as the world model); Plan or framewall (Monte Carlo Tare Scandi)
	Charter (660)	Finalback acquisition (trol); Plan refinement (contraction between LLM and trols)
	ReAd (409)	Finalback acquisition (tod); Plan referenced (specificing reasoning and arting)
	Refusion (400)	Finalback acquisition (test based self-reflection), Plan refinement (dynamic memory)
	See of Thoughts (451)	Finalback acquisition (vote comparison), Plan refinement (lose- lected county)

After pre-making or adaption testing, a super agreem to using LDM is to design standard processing standard for sholling contains that, he testing it instead to contain the containing standard and containing standard and containing standard and a forestand processing standard in forestand and containing standard containing stan

4.1 A Prompting of the control of

below before the state of the s

There is no consistent of the control of the contro

- The state of the

on sorting event make time and train's release in the contract reconstitut conjugate table.

"Involved problem the consecutions, and distinguish in cliencia in §2, Lillar in benefit from in consecut human for solving complex tables, others the puregue consists a result member of task consecption of the desired tagget parts. In, the results of interesting the conjugate parts of the problem of the enteresting tables of the confidence of the desired tables. The table table is the sense required tables on the confidence tables of the confidence

TABLEXE: A collection of useful tips for designing prompts that are collected from ordine states (<u>init</u>, <u>aixi</u>, <u>aixi</u>) and experiences from our authors, where we also shaw the related lagrodines and principles (also collected aixii, <u>init</u>) with the collection of a live for a fixed probability of the related principles of exact prompt. (I) experience (<u>init</u>) with a basic collection of a live for a fixed probability of exact prompt. (I) experience (<u>init</u>) with a monotonic formation of the related probability of the companing from using detailed understand, (I) providing the collection of the related and the collection of the related and the related of th



Depoints Analysis. We further conduct empirical randes to present the impact of pumps on such professions. To conduct the experiments are located for experiments are located as a variety of such laws for an interpretation and the experiments. The such as a variety of such laws from the experiments. The such intervals of a such as a variety of such laws from a profession are readed above. First that it is the experiment of the experiments of the experiment of

 Looping singuest prompts can seed that accounts or you make programmer of Canazov, my concepturing the results of using different prompts on the same study, we can see that said the Canazov (designed yranges can achieve better performance than the skingler cean, in the carefully designed prompts, we provide a nere closely expressed undestogeness, but Wild and Wildfield; on an anded-feeding formating, Collisian COQUI, the countryle, for Wildfield task, the prompt with a more desided study discription leads to a performance increase from 13.26 to 30.21.

After complete study can be only more from country prompt organization on ChatGET. In the William and Goldend Objects to this, the designed opening bears good in propertied the performance of ChatGET. Let, from 233.1 to 3.02.7 on Williams and from 353.3 to 463.77 on Colored Objects. It indicates the necessity of prompt organization and the colored objects of the discases when receiving of prompt formation or require to design study as performed on complete touch, earlier these trains to produce the colored prompt for the colored objects of the colored objects of the colored objects of the colored objects of the colored objects and the sign of the colored objects are designed objects and the sign of the colored objects and the sign of the colored objects are designed objects and the sign of the colored objects are designed objects and the sign of the colored objects are required to colored objects and the sign of the colored objects are required to colored objects and the sign objects are required to colored objects and the sign objects are required to colored objects and the sign objects are required to colored objects and the sign objects are required to colored objects and the sign objects are required to colored objects and the sign objects are required to colored objects and the sign objects are required to colored objects and the sign objects are required to colored objects are required to colored objects are required to colored objects and the sign objects are required to colored objects are required to colored objects and the sign objects are required to colored objects are required to colored objects and the sign objects are required to colored objects are required to colored objects a

 The residencies' resurving stack, it is more effective or design querie; prompts based on the fremate of requirements (appearing for FoSSMs), the designed prompt in epithop of schemated frem their demonstration to current this multi-material resouring stat into only generation task, which can investigat the strong of programs contents we are delined an administration of production trades with the high of an accurate program contents we are delined in datase more product resids into high of state gather and in the programs contents we are delined in dataset more product resids into high of state gather and in the production of the productio

performance or new superform the appention baselow methods. It knowledge silluration and causple meaning tasics, Naturil's with proper services or for wheel a propulation performs our or even emperform the supervised methods, e.g., 13.11 (ShatEP) vs. 3420 (supervised baselow or Middless, Deujote that, ChatEPT will perform severare than supervised baselow models on some specific task (e.g., MK and Middless), since there supervised models have been specially optimized with the object of calling the complete of the supervised methods of the supervised baselow models of the subsequent of the supervised methods.

Integral statistic proofs on speciments, Lucio con made some deviational nutri socio, virgi specific prompts, OCOSTT casa do compressión nest residented RET bodos. Le, for general incommendation and contravalation constructed social conference of the contraval to the effective of the forest the effective of the contraval to the

Table CATE Compile instructions collected from [164, 400; The filler text denotes the task structuring, the red constructed information, the great text denotes the denotes and the product of the red text denotes the prompt rapid.

```
The process of the control of the co
```

The ratio was as below: a test constant make, § § §, by the discretives is.

Moreovation: a love is derived in a constant property of the constant is a second or constant in a constant

response should be in English entry. The embew tests are belon: = leaves there community, $a_{i,k}$, $a_{i,k}$ from the section on x.

```
The second of th
```

6.1.2 Prompt Optimizati

Although manually creating task prompts is more intuitive, it is time consuming and, more importantly, models are highly sensitive in the control prompts—improper prompts will lead to him task performance in shown in Table SUIII, Therefore, a large body of another propose summaring optimization approaches for discreen prompts and constitutions prompts to archive the optimal performance [465, 266]. In this part, we will

solvent brown that the forms is shaple and flexible, optimizing soponed component or inspector unantal stillaguists solvent. Despite that the forms is shaple and flexible, optimizing soponed contents upon in a shallenging problem due to the combinatorial large search space. To extremize yourself search effective prompts for downstream tasks, estiting under groupe or order government of flexibity prompts generation, which are

Outside tieser depression. This list of approaches stars to option the primary search pressure in summing the course patienthese days patient to the state of the state of the state of the temperature of the state of the temperature of the state outside the state of the prompt when with a state outsides to the state of the st

All based operandro. Seen discrete prompts are Effective to interest forced profession based operandro. As water of school program is treated to the charge proper plantation as entherwesses instituted to the charge of the cha

proper in a personne in signit to expendently del different part of a consideration found properly.

In this board agreement in the date method, particulated and fall board strategy can be controlled.

In this board agreement in the controlled strategy can be controlled to the controlled strategy in the controlled st

cutions Proxy Opinionies, Illient From during proxy, continues proxygo contin of a let octavaries and before continues and continues and continues and continues and continues and continues and continues are continued as a let of continues to the continues and continues and continues are continued as a continue and continues are continued as a continue and continues and continues are continued as a continue continue are continued as a continue continue and continues are continued as a continue continue are continued as a continue are continued as a continue continue are continued as a continue are continued as a continue continued as a continue continue are continued as a conti

From the second of a fightest data. It this approach, most entiring probability option copied or continuous presents in a time leaving second or leaving to second or continuous present interest to the continuous present in a final fin

- Prompt transplanting with source date. Supervised learning agreement dermand in sufficient training dates about paging and continuous parents, which may not work well in dissistance demand and data. The define date product, 2014 III (2014) proposes a green place from their products of the child from any angle of the products. The child from a register place of the products of the child from a register place of the child from a register place of the child from the c

6.2 In-Context Lear

ALL IL Generalizes.

A counted in (III.) Elli, were a forecasted second language provey, conducting of the such encodings, social colors and examples as the constraints. Rights 11 present are filterations of ALL Flow, membry with a tend to be example as the demandation of the second constraints of the s

Formally, let $\theta_0 = \|f(x_1, y_2), \dots, f(x_p, y_p)\|$ represent a set of demonstrations with λ examples, where $f(x_1, y_p)$ is the prompt function that transforms the λ -th task example into natural language prompts. Given the task description λ , denominating as, and a new large (per μ_1, \dots, μ_p) presented from LLMs can be forwalmed an Gelson \hat{Y}_1 .

$$\lim_{t \to 0} \left\{ f(x_t, y_t), \dots, f(x_t, y_t), f(x_{t+1}, \dots, y_t) \right\} \rightarrow \hat{y}_{t+1}$$

The state of the s



Figure 18. A comparative Electrotion of in-context learning DELI and shalo of thought ECOT prompting ECL prompts ELDMs with a natural language description, several demonstrations, and a test query, while CAT prompting learning and prompting learning to more in remove a certific of interprediction removing to remove.

several studies have shown that the effectiveness of EC. is highly affected by the design of demonstrations I arm, 422, 4791 Following the discussion in Section 4523, we will introduce the demonstration design of ICL from these major superio, Co. demonstration selection, formus, and order.

Demonstration belowing. The performance of local to the side by his or a large variance with different demonstration belowing. The performance of local to him a large variance with different demonstration ensured tends to a large larg

LIM based approaches. Description of the companies of the

demonstration.

1. Million of growths handle for off-our district or controlled to the controlled to t

To summarize, as discussed in [488], the selected demonstration examples in ICL should coussin sufficient information about the task in solare as well as be relevant to the test query, for the above even selection approaches.

Whenever the control of the control

"Navo Li Mirodon S. Andreg (emerco."

Marco Li Mirodon S. Andreg (emerco."

The Part I braining America S. Andreg (emerco.") (all) and in the lower should all to 24. Address and the second of the 24. Address and the second of the 24. Address and the second of the seco

the GMA Printer BLY on the interest printer bly and the control bl



Control of District Street by the Street Str

most grain to go more provided for early and price most grain and grain to grain the grain to grain to grain the grain to grain the grain to grain the grain to grain the grain to grain to grain to grain to grain the grain to gra

confined in 2014 or coloids 200 not to a seally profiles on one owners may be a formed prompt of the color of a profile of the color owners of their order property in the seal of the color owners owners of their owners owne

terestrat in extremente troughat in mentante er errapir e challem monte mentante con in reput. O polysherisente errapirat primer. With more couples simplicipal entrumer, große delte parter restriction on the mentant genere. With more couples simplicipal entrumer, große delte parter senson, Große of Thesial (1985), selle monte primer in senson Große of Thesial (1985), selle monte propriet and senson Große of Thesial (1985), selle monte primer p

and the contraction of the property of the contraction of the contract

paties effect in sufficielly large model (righted) cannot go like or ever parameter (III) but as in and rodel, between case of the propring argumen the model of propring and the summary of the summary of the contract of th

What I had no A referred or the according with a smooth greatery we describe the control of the



Figure 16: An illustration of the formulation for prompt based planning by LLMs for solving complex task

theresel is Egon 1.6.

It is a contact in Egon 1.6.

It is contact in Egon 1.6.

I

— some till gibb grande skale state skale skale

per general (piez, margine per al solicitates report per al processor). Processor (piez, margine per al solicitates report per al processor) (piez, margine per al solicitates report per al processor). Processor (piez, margine per al processor

the control of the co

A second process of the contract of the contra

The state of the s

parties and management in the large has in region or sectory parties and management in the large has in region in the large has in the large has in the large has hard tenchantish has been prepared for contempre originate delign evaluates and antiques the sensions were controlled to recording regional delign evaluates and antiques to the sensions were controlled to recording and the large controlled to the large controlled to



7.1 Masic Ability

3.1 Amin Ability

1.1 Amin Ability

1.2 Amin Ability

1.3 Amin Ability

1.4 Amin Abi

endpoint in matter LLMs. A clean is matting and the production of the significant control of the signi

untipling middyd craddian shidness [200] and phenologically disording [202], within cas be conducted as the intrinsic of long-fitting and completening procures by proprietation (specially placed for the control of the companies of the control of the contr

 Overliable generation evaluation. With the advancement of language generation ability of LLMs, existing studies fluid that the generated sext from LLMs have reached a conquarable quality or the reference seaso or accepted of the magnetists tasks. Measure that which introduces an existing an exhibit to be really accepted of the magnetists tasks. Measure that which introduces and existing exhibition becomes also accepted for the magnetists tasks. sense procession and the contract of the contr



(Ukbris ber opdar)

(Ukbri



Threshop without an any part and digit of windputs operand and only the benefity is statistically and windputs of the property for the control of the property for t

When the man and t



Common Processing Common Proce



The partiest translated of the partiest partiest and the partiest partiest and the partiest parties partiest partiest partiest partiest partiest partiest parties partiest partiest parties partiest partiest parties partiest parti

whether the control with the control wit

When the service of the contraction of the contraction is noticed party in money at money and money at money and money at money a



Library personals for the content of the content of



The control of the co

parameter action and parameter (all the proposed proposed

modeling one (In St. 2002). It is also allowed by harmon (In Specially 1) and other one took be-reaffect and conceased (III) the confine to each to temperate the content of the con-pression of the content of the con-tent of the content of the con-tent of the content of th

TABLEXY: A category of eniating weakardon words. "General" denotes that the evaluation focuses on an overall performance of studying inflittes. The evaluated shifting are not limited to the representative basic and structed shifting mentioners in service 27 = "47".

Method	Dahadas	Model Types	AMBIEN/Tomate	Data Searce
	HMC((Md)	Restline tenediferialized	bowesi	Hense comproct
	800 broads (70)	Beschine sendifipschinel	Emmal	Europe provision
	HUA (529)	Banditer tendityeakani	General	Sendensek rolleni
	Open LLM Leaderboard (2027)	Bandlan bendlymidael	General	Sendmek rollesi
	AGENT PRE	Basilian terniforsidani	General	Danas cumipordi
	Mech (2006)	Restline tendiforialised	teneni	Hansa consport
	NUME (*100)	Baseline needbystakasi	General	Dense exeripted
	C End (710)	Bandlan tene(Specialized	General	Hense europesel
	10mm (712)	Rest/Sec. tens/Specialized	teneni	Hunes consignate
	OpenCompani (7130)	Seedine seedipoidad	Denesia	Streetmark orders
	Chain of Straight Eak [714]	Bestlinerand	General)	Deschmark rollenis
broheek	BULATTER	Bestlineausel	Securiolgy editorion	766
	ARR (718)	Time cannot	Dengéra reasoning	Hence consport
	A265esch (717)	Basel Ine-tend	Yorl manipulation	760
	APRint (718)	Tinetuned	Tred excelps below	Syndenia
	Desiralpace (799)	Basel'in-tuned	Tred manipulation	291846
	T-Bench (720)	Time current	Trel mentpulation	Syndrois
	ToolBench [121]	Timetuned	Total managedation	Syndenia
	861AA [122]	hordine scool	Enrichment Interaction	Desidence's collection
	Apartheses (723)	Bard'in-tired	Environment Investries	Homan annotation/lynthes
	Mathematical (MEC)	Restinations	Europe algrament	Honor acontrinelymbo
	Promptiench (124)	Boot/ine-toned	Robertson	Desidence's collection
	Munority of (1005)	Bestline sendipolalant	Code symbols	Essente percetation
	3340-84403A (336)	Specialized	Holthcare	Desidence's collection
	PLUE (725)	Specialized	Finance	Deschmark rollenis
	Lepillench (12N)	Specialized	Lept	Postula percetation
Numer	Chatter Arena [127]	Basifian tensifipoidani	Waters Majorese	Famas secondos
	308w3-028	Timetuned	Complex removaling	Hense maniprovi
	Alpentosi (129)	TimeCased	Detroited Moving	Systems
	MT-breich (727)	Yan-raned	Franca alignment	France percentile
Nodel.	TrumSPT (TRO)	Bestline total	Euros alignment	Deschmark solical
	DEEpanga (190)	Restlinguard	Xecurings attitutes	Systems
	Ourbrid (792)	Baseline-Kined	Xecyledas stiltustos	medical obes

action of the District of District Approaches
in the above, we have discussed the basic and submaned allittims of LLMs. Next, we will be
evaluated in teachers and approached 1202, 2241
7.3.1 Comprehensive Evaluation Benchmarks

The other content of the content of

unit own off states of LLDs, proclamby for pricing would be reddy.

The date below that the state of a statement of the state of the st

performance or science (Lists, such as from List Instituted (III). This was bestored to the control of the cont

disinformation make, while Charlot Arena. [727] constructs a crowdsourcing platform that allow sweezes in representations with two anonymous Chat LLMs and report pairwise comparison results.

defendances and, which defined now the common translational patient to desire with the defendance and the common translational patients and the defendance and the common translational patients and the common translational patients and the common translational patients are common translational patients and the common translational patients are common translational patients and the common translational patients are common translational patients and the common translational patients are common translational patients and the common translational patients are common translational patients and the common translational patients are common translational patients and the common translational patients are common translational patients and translational patients are common translational patients are comm

Free and Cone of Different Evaluation Aggreeaches. In the above, we have discussed different evaluation approaches to assess the abilities of LLMs. Next, we simply analyze the pres and cons of each evaluation approach.

express.

Therefore has dispress. The related in express to investige initial photometric bit emission for particular and the control of the related in the control of the

TABLE XYE Evolution on the eight oblition of LLMs with specially selected tasks. The shade of the formal and the feet denote the performance orders of the results in closed-source and open-source models, respectively. This table will be continuously updated by incorpositing the results of more models.

		Larg	uage Generation			Keepil	edge Ut	2itratice	
Medels	LIED	VMT [Xitan [Manualital	TriviaQ4.	NaturalQ	WAR	ARC [Walte
ChelGPT	55.81	26.44	25.71	79,58	54.54	21.52	17.77	92,68	29.2
Classide	CLAT	31.23	18.63	51.22	48.92	13.77	14.57	66.62	34.3
Classic 2	45.20	12.53	15.13	38.04	54.50	21.50	21.05	75.57	35.8
Derinoi003	68.96	27.60	18.19	67.00	91.51	17.76	16.68	88.43	28.2
Derinoitte	\$8.89	25.11	18.15	96.78	52.11	20.47	18.45	99.23	29.1
LLaMA 2- Chal (78)	56.12	12.62	16.00	11.59	38.93	12.96	11.32	72.55	29.3
Young (138)	62.45	20.49	17.87	20.73	25.04	10.75	11.52	20.68	35.7
Young (78)	63.90	15:55	13.59	17,07	26.18	5.17	6.64	16.96	25.9
Alpaia (78)	63.39	21.52	8.74	13.41	13.14	3.24	3.00	49.75	26.0
ChelOLM (rill)	33.34	16.58	13.46	13.42	13.42	4.40	5.20	55,38	16.0
LLMAZ (TR)	68.39	11.57	11.57	17,00	38.92	5.15	2.50	24.15	38.0
LL-MACED	F2.68	13.64	8.77	35.24	3443	2.92	11.12	4.88	19.7
Februar (780)	66.89	4.05	13.00	10.37	28.74	10.28	8.00	400	23.9
Pythia (128)		5.43	8.87	34,63	15.79	1.99	4.72	11.66	20.5
Policia (780)	56.96	3.68	8.23	9.15	10.16	1.77	3.74	11.68	15.7
	_		Bennestag	Seek	etic	Mathen		Interv	edea w
Models			nemocing	Exam		Bezzo			reasse
	COROL	Helialway	SmidDQA [C-Ofiguris	Perguins	country 1	MOTE	ALFW	WebSte
ChatGPT				\$3.28	48.27	78.47		28.96	49,321
Cleade	83.80	54.95		93.95	47.65	70.81	20.15	35.83	AT 7707
Cleade 2	71.60	56.28	58.34	55.75	74.50	20.87	33.34	77.60	34,993
Derino(65)	74.00	62.69	68.70	6568	65.07	57.59	17.66	65.62	94.8900
Derinotti	68.50	AT 51	57.01	62.55	67.11	49.95	14.25	35.67	29.891
STANGE TO STANGE	45.62	74.01	43.64	43.48	38.93	943	2.22	11.15	24,51/3
Viscone (1780)	41.65	70.51	45.97	53,55	36.91	18.50	1.77	8.95	22.145
Victor (70)	43.84	6925	46.77	4435	26.24	14.83	3.54	1.69	6300
Alman (70)	47,92	6531	47.55	39.35	48.27	4.93	4.16	4.00	0.00%
CharGEM (riin)		29.27	33.38	16.65	14.09	3.60	1.22	0.00	0.00%
\$2,684.2 (TR)	44.81	74.25	61.72	43.95	35.75	10.92	2.64	8.55	3.00%
LL-MACED	42.42	73.81	45.46	23.95	34.90	10.99	3.12	224	0.00%
Falcon (78)	39.46	74.59	42.53	29.50	24.16	1.67	6.94	7.45	0.00%
Policia (128)	37.02	65.65	41.33	32.40	26.17	2.88	1.96	5.22	3,650
Policia (780)	34.88	61.82	40.00	29.65	23.52	1.82	1.66	T.45	20.757
			Human Allegone	11		_			66
Models	TROA	Crain I	Westbale !	REP I	Heldrid	Hepoths.	Clerkler TH 1	Oreda TF 1	Ovella
ChatOPT	63.16	18.60	10.5007.5003.12	X 82	78.04	23.80	4T-20	4453	79.3
CleakIPT	67.93	32.23	71,6755,0092,58	3,37	68.64	23.80	22.64	7,74	7.89
Cleade 7	75.51	10.67	G0.00000.00002.50	2.22	C8.63	26.4	61.29	22.19	736
Cleade 2 Decimo(65)	63.83	0.99	67.50(68.33/79.17		58.94	34.40	72.55	3.80	5.0
Dermotts Dermotts	53.73	2.56	72.50(78.00% S.17	20.65	58.94 58.6T	26.00	72.55	1.02	1.00
Darmontkii LLANA 2-									
Chel (78t)	68.77 62.30	45.90	47.7036.6746.67 58.8958.8192.58	4.61 5.00	43.83	4.00	6.00	0.00	0.23
Vicine (198) Vicine (190)		45.90	56.8358.8352.58 49.1349.1749.17	4.33	41.44	11.20	E00	0.44	
	53.77					5.20			0.33
Alpaia (78)	46.14	65.45	53.3393.4193.33	4.78	4416	11.60	6.00	0.30	0.11
CheGLM (sit)	63.53	50.53	47.5047.5046.67	2.89	41.82	4.00	E00	0.30	030
LLabla 2 (TR)	33.06	\$1.39	45.8348.8350.83	617	43.23	3.90	6:00	0.30	0.11
LLaMA (78)	47.86	67.84	54.17/52.50/51.67	594	14.18	1.60	6:00	0.30	0.11
Falcon (781)	53.24	68.04	50.00(58.83/58.00	621	33.40	1.00	6:00	0.30	0.00
		65.78	49.1738.3349.17	6.59	27.09	0.40	6:00	0.00	0.00
		64.29	S187981T90.00	13.60	25.88				

TABLEXTE Prompt examples and their performance of Chapity's on representative takes. For most tasks, we compare the performance for duple and complex prumps. We also present the reported performance of supervised perfords - 470°-470°, "470°, "470°, "470°, "470° and for the "dupping permission", "strengthes utilization", "compiler resourcing", "strengthed that generative", "statematics mericus!", "57 neons there is neptrent supervised out that dataset.

	Teamletin.		I ment you to set as a translator. Place translate the	2949	
			English sentence (etc. East).		
		VOT	I work you to set at a transfers. Franching the given builds contains into limit, and ensure that the transferred		41.60000
			Inglish centeror toto limit, and ensure that the trivalated undersor is semeratually consistent with the given sentence.	26.00	_
			in Sentence (second sentence) in Terrolation		
1,6					
	Tunnesiation		Figure greecide is one-cardence assembly for the given	(3.7)	
			desaret.	-	
		2000	(forward) by your best to commercial the resin content of		earner
			the given doublet. And generate is short semilar by 1 onlines for 31 or Semilar.	2541	
			Contract for A. S. Samuel.		
_	Checkbok(h		Check your arrang for the question, causing outcomes	10.39	
			Outer a contest areas according to the given question, and		
		ARC	subject the corresponding lift, six net areas other centers	10.04	600(14)
			except the ensect (it.		
	Services On		Owne you enser to the question (species) (shoirs).		
	special control		The most arily neighbor A, B, C, or B arishmal any series	10.00	
			enjuration. To answer is		
			Piccolog Li a question that angions most into converg.		
			are of solitional common and commonwest broadedge, and sich		
100		8809	tent competencies. Occur your proper to the question in		1030043
			Question Political shades and angles find like for bareards	10.24	_
			the surface of the scoon, which is why they acc known so in thickness in it. Shop one arounds in it. Turn in C. Ling See	RC3R	
			Fish in O. Far Dee belonds in the most only extent it. E. C.		
			or 2 status ary more epitertian. The areas in		
	Fed Editorios		Constant the personal with one at a few words.	2020	
		ror	Complete the given sentence with one artists name in		
		PAGE	Kinganta (MRF to a round so there so possible, are around	36.23	3436536
			that the completed sentance certains to the facts.		
_	Seriodic Repunding		Poblam traduction invest	57.24	
			THE REAL PROPERTY OF THEOREM, MICHAEL AND ADDRESS AND		
			morphic stood systems meaning. You can use the tracketer		
		conor	in exceptes and outer the last publics. You should follow		
			the margins and presents the final arraws sixteen external	16.5	
			the margins and generate the final amount althout external polystion or winds.	18.5	
	North World Problems		the margins and presents the final arraws sixteen external	360	
	Node Word Problems		the margins and generate the final answer skitched external solution or winds. PORESE: Extellative Solution: Out's think that the row. DATE: one piphon to salve made problems. Here are these		
0	Node World Problems		the margins and generate the final, arease althout external solution or wests. Modeller, Esselberier, Solution Cost's Other State to 1992. Let's one gettern to solve each publican, there are those margins has no six in 1,11 to 100 and publican. The margin than		
	Noch Word Problems		the enoughts and generate the filed, amount altitude extends solutions or with: Only a problem: gardeness solutions sets to group, Only and peptide for solve math problems, was any time mangles has no six six, or, official has EEL for length from hoppin for this hast, now much many dates not have left- hoppin for this hast, now much many dates not have left- to.		
0	Soils Word problems		the complex and previous the filed, amount addition extension unless to white. Modern landshoot indicator, out's filed that his year. Let's use applies to valve ware publics, were use those complex for to see in year of oldern has III. For imagin filed to see in year of oldern has III. For imagin filed happin filed to the public filed happin filed to the public filed happin file is seen, was now many size at a hors larbot, "ever'd additionally ""Williak he No. 50 to be loos filed filed.		
0	Noth Word Problems	costs	the manifest and generate the filled annear solvine systematic solutions or worth. Miletain or worth. Miletain Contribute Solution Solvin Stock (Solvin Solvin So	260	ожре
	Noth Word Problems	costs	the margine, and generate the filted amount alletted attention of weights. Problem or weights. Problem interfaces observance Gett's Order Hast to House. Left's are aprilled to indice with problems, time into House, and problems to the side of Gett's text. The margine time is the high of Gett's text. The margine time is the house, the observation of the highest first fill sends, how much many data for howelf belong the first fill sends, how much many data for howelf the highest first fill sends, how much sends does not not held the many plantage of the highest in the highest fill the highest		онци
	tech west problems	coss	the margines and generate the filted amount although extension of wathing or wathing the wathing for some control of the contr	260	омпе
	Sock Word Problems	code	the margine, and generate the filted amount alletted attention of weights. Problem or weights. Problem interfaces observance Gett's Order Hast to House. Left's are aprilled to indice with problems, time into House, and problems to the side of Gett's text. The margine time is the high of Gett's text. The margine time is the house, the observation of the highest first fill sends, how much many data for howelf belong the first fill sends, how much many data for howelf the highest first fill sends, how much sends does not not held the many plantage of the highest in the highest fill the highest	260	ожра
	Note that problems	coss	the margines and generate the filted means abbitous extension of section or section. Problem: Memberor Solutions: Get's Olice Hos Inco. Let's an explain to solve self publics, then specific meanings have to self up of Galaries that III to margin time and amonghes have to self up of Galaries that III to margin time and self-public filt is self-now much many since are here lateful regular for 15 to self-now much many since for here lateful regular to 15 to self-now much many since the next lateful regular to 15 to self-now much self-olice self-public filt is publicated in publication of the many public to 15 to self-now many publical 15 to self-now many many many many many many many many	260	омпа
0		coin	the examples and generate the final consent although extension distribution or statistic control of the control	260	омпе
	Nob Word Problems D00 Synthesis		the complete and general the final comme within a reserval delication or settle. Minister as produced to control the final control the fi	200	
			when experience of proposets of finals among without extending the control of the	200	омпа
0			the complete and general the final comme within a reserval delication or settle. Minister as produced to control the final control the fi	200	
	Doknowie		the countries of presents for final armonal extends armonal final final presents of the countries of the cou	768	
96	Doknowie	Hessive	The control of process for final armonic values control of the con	768	no (M)
0	Doknowie	Hessive	the complete of any all and the complete and the complete of t	768	no (M)
96	Doknowie	Hessive	The control of process for find a more allowed a remark for the control of the co	768	no (M)
0	Doknowie	Hessive	The control of the co	700	no (M)
000	Doknowie	Hessive		700	no (M)
	Doknowie	Hessive		768	no (M)
000	Doknowie	Nonether Notes		768	10.30 <u>(7.60)</u> 10.30 <u>(7.60)</u>
	Doknowie	Nonether Notes		768	10.30 <u>(7.60)</u> 10.30 <u>(7.60)</u>
06	Doknowie	Notes Notes		768	10.30 <u>(7.60)</u> 10.30 <u>(7.60)</u>
06	Doknowie	Notes Notes		768	10.30 <u>(7.60)</u> 10.30 <u>(7.60)</u>
06	Did Nymbols Ted to Elli. Ted to Elli. Tennessen delse	Notes Notes		768	10.30 <u>(7.60)</u> 10.30 <u>(7.60)</u>
06	Doknowie	Notes Notes		7631	10.00 (200) 10.00 (200) 10.00 (200)
06	Did Nymbols Ted to Elli. Ted to Elli. Tennessen delse	Notes Notes		7631	10.00 (200) 10.00 (200) 10.00 (200)
06	Did Nymbols Ted to Elli. Ted to Elli. Tennessen delse	Manustrati Nation	The second of th	7631	10.30 <u>(7.60)</u> 10.30 <u>(7.60)</u>

3.4 Displaced Foodbasetion

The development on making engaged or remain for mortal different of the control of

And the control of th

medical for a common co

An overlag and the control of the co

Horson edgement. For human adgement, we solect Treshful/A ISSU to measure whether a LLM is treshful
in generating answers to questions. Crowl-Pairs [603] and WinoGorder [604] to assess the stereotypes in

1100. Indicatyrreps: [60] to evidant the court to which 1100 generies their happen, and shidold [60] used to shifty of their comparison belonistics, as to we are of their flority breast and the shifty of their court of their flority breast and their properties of their properties of their properties of their contractions of their court of their cour

These controlled by the property of the control of the controlled by the control of the control

The contract of the Contract o

Case 2. CHOST of Distinction of Distinction.

Also 2. CHOST of Distinction (Prince is intensities with embryonest and four employability tables to their embryonest in a four employability tables to their embryonest in a four embryonest in the state of their embryonest in the state of the st

And the second section of the section of

Termine and General Conference and C

colour layer interestant, increasing, a sun centural, a service or consisting by experiments of the South of the experiment of the South Office. The South office of the South Office of



It is write, we findly more for more propose or for applicates of DM. It has a product and the second of a more of the production for the product of the second of the sec

recent conceases 26 to be park we find by received as absence the finding LLBs for exercit representative modes of transmission of the Confect Market.

LLL LLBs Confect Market.

A per transmission particular states and the confect of the confect

segments in the first of the control of the control

Summary, Based on the above discussion, we carectarize the suggestions, and future direction about the use of LLMs in Clause MAP todo as follows:

Manage from the size of the colors are settlement for engaginess and have desired as early to apply agreed to this or early to the size of the colors and the colors are settlement on the colors are settlement on the colors and the colors are settlement on the colors are settlement on the colors and the colors are settlement on the colors are settlement on the colors and the colors are settlement on the colors are settlement on the colors and the colors are settlement on the colors are settlement on the colors and the colors are settlement on the colors are settle

A contract for each of the contract for each o

excession single like the result of the like the specific and any approach based in a site of significant contains the like the l

ever powerful state from more upons.

12. Old for forecomprise and on the state of the state of

the absence of the balls with year of colors or actions; this will be absent to expension and the colors of the co

see a series and mode of the opping states, in a mode of the opping states (LLSS). We also exceeded the second of the second of

mem. So destina the space (III) make the whom and there is a query and the selection of the

Training Process. The instaing process of the MLLM includes two major stages: vision-language alignment pro-testing and visual instruction tuning.

processing of the Collection o

The infection of the contract of the contract

Evaluation of MLIM. After introducing the approaches to developing MLIMs, we further discuss how to effectively access the multimodal capabilities of MLIMs from the following three aspects.

relations of the Control of the Cont

And the second of the second o

Matthew Addressing Silleres from Life, MLDs, and on season from more, has insended designable shade of a primitive of large and of states and his Large and orders a region of states and his Large and orders and the large and the states of the large and t

The second secon

\$1.5 Bi-februed LLV
Depart the conduction question, LLVs often suffer from defining on the redding accessors such, such on the conduction of the conduction

amount of the control of the control

Another Miller of the control of the

promote follows from their never nevery is general the next plan. Finally, the excelsion componer certific was the gloss presented from the planeing componer, which can be further unstanded with common tools. It proposing the abrementational presents that Librarian agrees can assume any agent in behavior to not present to find other them. As the content is not distinguish of their ingual cities of Librarian are content or content of authority of their ingual cities of the behavior agreed to the content of the c

midd-text intensitions with the environment.

To communitie, in on LIM based agent, the LIM serves as the core concurpanents including neessay, placing, and excendion. These company way under the correct of the LIM daring intensities with the excitor might refer to the comprehensive surroy for LIM-based AI agents (MES).

world flower the supplications to high queen and read-spect common. "Sufficiency based specifics," registrates benefit to a triple again reader analysis said selects that can assessmently configire user requests. A large matter of all solid contributed with five to on general graves the siding as a representable to the contributed with five to one general graves the siding as a representable to an activate the research of the contributed of the register of the analysis of the contributed of the register with law and active the firm excelled production. A contributed the register with law and active first excelled place requires the process matter as a first excellent and the first excellent place (and in the first excellent place (and in the first excellent active the contribute and the size of the contributed and the contributed as the server with the active form of the contributed and the contributed as the co

specific design design des visible (Fig. 1) des visible consequences des specific design des visible (Fig. 1) des visible consequences des visible des visibles visibles des visibles des visibles des visibles des visibles

LAY LILLY INVESTIGATION TO A PROPERTY OF THE PROPERTY ASSESSMENT, It is do set to be designed by high accession control optional time requirement, and accession investigation (see [10]) to enter accession control option of the event accession control option accession accessio

season that such trighten their profits of a source contains of the principle of the princi

the road substitution of the State of Chancel Access control and the State of Chancel Chancel

8.2 LLM for Specific Domains

The large was because the place of the large was described for the bodies building building buildings. Moreover, and the large was the large w

makes perhapsion to the control of t

Set of the endottenation to the control of the cont

necessaries with final transfer and more inverse and measuring as the most influence of the contract of the Class of the C

Meditarions. An experimental variety of the properties of LDA have been do forcement in sometified for doors. In transact, in the production defeated, was more than the student of the content of the co

Next, we summarise the discussions of this survey, and introduce the ch.

Interesting the content of the conte

The Milk College of the College of t

Softward Algorithm on the openions. District the openions and the other byte of with pour solely children in practical size. As a fundamental base of probabilistic modeling status, Libb children is underest in generate status and administration of the other byte openions and the other byte of the other byte other by

Secretary Secretary and Control of the Control of t Secretary (1975).

When the probability of great and or desire, the amount a set for the probability or an ideal in an individual probability of the probability of t COMMISSION TO THE REPORT OF THE PROPERTY OF TH The Stage, S. Dickeron, S. Morre, and C. James, N. Lessing and Carlo Market Stages, and C. James, N. Lessing, N. L 15 - 16 March 15 March 16 Marc

W. Ferku, B. Zopk, and N. Sturrer, "Switch transformers: Scaling to trillion parameter models with simple and efficient sparsity," J. Mech. Learn. Ses, pp. 1-43, 2021. 3. Suddoof, J. Wu, O. Child, D. Lean, D. smodel, J. Serskeuper, ed. "Supresses models."
A. Suddorf, J. Wu, R. Chiki, D. Luux, D. Amodol, I. Sunkover et al., "Language model are unsupervised multitude learners," Operal blog, p. 9, 2000. Y. Liu, M. Cet, N. Goyal, J. Du, M. Jooki, D. Chen, D. Leey, M. Lewis, L. Zeitlemeyer.
Y. Lia, M. Ott, N. Gryal, J. Du, M. Josh, D. Chen, O. Levy, M. Levis, L. Zeitlemeyer, and V. Steyanev, "Roberts: A relicably optimized REIT pretosizing approach," CoRN vol. 9:01597.11875, 2015. V. Sanh, A. Webson, C. Roffel, S. H. Roch, L. Suzuvika, Z. Alyufosi, A. Chaffa,
Yanda, A., Wolson, C., Leeft, S., B., Leeft, L., Baryella, K., Dypkai, C., Cueffa, A., Kolegier, Salig, B. Wya, B. San, C., Su, U. Tablado, S., S. Bowen, E., Gourdal, F. Leer, C., Chahdanis, N. V. Nope, G. Gunz, J. Cang, H. Fang, H. Wong, M. Marsi, C. Long, M. F. Fang, H. Wong, M. Wang, S. Karrell, E. Sener, A. Zurera, S. Serier, Z. V. Feng, P. Karrell, F. Feng, F. Fenha, T. L. Sone, S. Bietherran, L. Gonz, U. Wolf, and A. H. Each, "Belling Perspectation for well-bring allowed perspectations for send-bring algorithms for the Prefer Normalism of Geologieur on Carreling Physicians States, U. S. Seneral, April 1978, 2022. Opperference on Carreling Physicians States, 2022. Usual Death, April 1978, 2022. Opperference on Carreling Physicians States, 2022. Usual Death, April 1978, 2022. Opperference on Carreling Physicians States, 2022. Usual Death, April 1978, 2022. Opperference on Carreling Physicians States, 2022. Usual Death, April 1978, 2022. Opperference on Carreling Physicians States, 2022. Usual Death, 2022. Usual Death
Lower, Agrin CG., 2012. Openingworks and June 2012. In delays J. Lowing J. Miller (J. Verlage, A. Mellers, D. Hondows T. Lison, W. W. Chang, J. Hollays J. Lowing
A. Hidderfel, J. We, and D. Amedel, "Stalling lates for record language models," CASS vol. obscuring 18913, 2023. J. Wei, V. Tay, E. Bommannel, C. Raffel, B. Zoph, S. Borgestal, D. Dopatena, M. Borna B. Zhou, D. Mordier, E. H. Col, T. Binkelmons, O. Vizyola, P. Linag, E. Swan, and W. Frider, "Emergent shifting origing language models," CASE, vol. abs/2006.0038.
W. Fedou, "Emergent abilities of large language models," Calif. vol. abs/2206.0502 2022. M. Shorahhar, "Editing about large language models," CoMA vol. abs/2201.05531, 2022.
2022. J. Wei, X. Huang, D. Schwarmann, M. Buerra, E. H. Chi, Q. Le, and D. Zhou, "Chain of thought presupting elicits reasoning in large language models," CARR, vol. nbs/220111900, 2022.
 Bridfmann, S. Dorgowal, A. Mernels, E. Bechunbloya, T. Col. E. Butherford, D. dr. Leo Caser, L. A. Hendricks, J. Welf, A. Calef, T. Henrigher, E. Poliand, S. Millions, G. and der Krieserde, B. Damon, A. Oyal, S. Coldefor, K. Scheryan, E. Den, J. W. Sen, O. Vilyalis, and L. Elfer, "Embring compane-optimal large language models" of a hary-21st 1986, 2022.
R. Toylor, M. Kardas, G. Cucurull, T. Scialon, A. Harnborn, E. Samwin, A. Poulton, V. Berker, and R. Stejnic, "Galactics: A large language model for science," Calif., vol. 444–443. pp. 1987.
Alba N. Yana, J. F. K., Ejang, H. Hojodé, and G. Neddig, Trectriat, pronpt, and peeder a systematic currer of pronpting methods in natural language processing ACM Comput. Serv. pp. 1861–1861, 2005. Co. Co. Co., C. L. L. L. J. Yu. Y. Liu, G. Hang, K. Zhang, C. J., O. Tan, L. Re, H. Peng, J. H. C. Zhou, G. L. C. Li, J. Yu. Y. Liu, G. Hang, K. Zhang, C. J., O. Tan, L. Re, H. Peng, J. H. J. Wu. Z. Liu, Z. Zhou, C. Xiang, J. Put. 25, X. and J. San, Y. An emperimentary survey on spectrated franchises models: A history from SIGIT in change, "CoSP, vol. 46002000 2018. 3000.
J. Wu, Z. Liu, C. Xie, C. Xiang, J. Pei, Z. S. Yu, and L. Xu, Yu comprehensive survey or perstanded fraudation models. A history from IEEE 1 or charge, "CoSP, vol. obs2020/2011, 2023. X. Hary, Z. Zhang, N. Doing, Y. Gu, X. Liu, Y. Hinn, J. Gin, Y. Xio, A. Zhong, L. Zhang, W. Han, M. Hang, Q. Yu, Y. Lian, Y. Liu, Z. Liu, Z. Liu, X. Liu, R. Stong, J. Tang, J. Hen, J. Yana, W. X. Zhao, and J. Zhao, "Per-trained models: Fost, presser and fuzzay," of Open, vol. J., pp. 257–250, 2023.
X. Qiu, Y. Sun, Y. Xu, Y. Shan, N. Dui, and X. Huang, "Pre-trained models for natural language processing: A survey," CuSE, vol. abs/2003.08271, 2020.
S. Altman, "Haraking for any land beyond," Opened Hog, February 2023. S. Bubbeck, V. Chamdranskamer, R. Edins, J. Gehrber, E. Berreitz, E. Kamar, S. Lee, V. T. Lee, Y. Lie, S. Landsberg, H. Nert, H. Difangi, M. F. Ribberts, and V. Zhang, "Speciol of artificial general intelligence: Early experiments with get-4," vol. abid303.12712, 2023.
S. Hissag, L. Deng, W. Wang, Y. Hoe, S. Kinghal, S. Ma, T. Lu, L. Cul, O. K. Nobannesel. R. Ferra, Q. Liu, K. Aggarwol, Z. Cul, J. Bjerric, V. Chandhury, S. Sam, X. Seng, and E. Wei, "Language in not all year need: Adjusting perception with language models," CoRP, vol. 386(2002) 46446, 2023.
 Can, S. Li, Y. Liu, Z. Sim, Y. Bui, P. S. Yu, and L. Sun, "A comprehensive survey of a generated customs (eight: A history of generative at from gan to chatget," arXiv preprint arXiv:2300.04222, 2023.
b. Driess, F. Xia, M. S. Sujjadi, C. Lynch, A. Chevelbery, B. Ichter, A. Wahid, J. Tempess, Q. Visong, T. Vu et al., "Fedin-4: An exchodied real-timedal language model," arXiv pressive arXiv:2300.12023, 2022.
C. Wu, S. Tin, W. Qi, X. Wang, Z. Tong, and N. Daor, "Floral chatge: Talking, descring and editing with visual foundation models," arXiv preprint arXiv:2303.04872, 2023.
OperAI, "Ope-i technical report," OperAI, 2023. Y. Fu, H. Peng, and T. Kher, "How from gpt obtain its ability? tracing emergent abilities of language models to their sources," Too Pub Notice, Dec 2022.
5. Li. T. Tong, W. Xi. Zhao, and J. Wen, "Previoused longuage model for test generation is survey," in Proceedings of the Thirds Asternational Joint Conference on Amplical Publicages, (Sci. 102), 1 (2012). The Third Event, Memories, Grandis, 19-27 August 2012, T. Zhao, Ed. Upalang, 2021, pp. 4403–4404. 2 Liu, L. Qui, W. Yu, S. Williels, and K. Chang, "A survey of deep learning for mathematical resourcing," Cell Sy, vol. 4440(2) 12, 16505, 2022.
marhematical resociate;" CoSP, vol. abs(2212.16535, 3022. Q. Dong, L. Li, D. Dai, C. Zheng, Z. Wu, B. Chang, X. Sun, J. Xu, L. Li, and Z. Sai, "A survey for in-context learning," CoRR, vol. abs(2381.80334, 3833.
J. Bizang and K. C. Chang. "Sovards reasoning in large language models: A survey." CoSS, vol. abs2211.0003, 2022. S. Qiao, E. Ou, S. Zhang, X. Chen, Y. Yao, S. Deng, C. Tan, I. Haang, and H. Chen, "Becoming with language model prempting: A survey." CoSS. vol. abs221207927.
"Reasoning with language model prompting A survey," CMR, vol. abs/22120997. 3022. 3220. 32
W.X. Zhan, J. Liu, B. Ren, and J. Wen, "Dense test retrieval based on pretrained
T. R. Brewn, B. Marce, N. Spider, M. Sabbhal, J. Sughas, F. Phartheri, L. Noshikazarun, S. Shyam, G. Saurry, A. Asholf, S. Agarrosi, A. Horberto Won, G. Kraype, T. Herighan, R. Child, A. Romand, D. M. Zhigher, J. Wu, C. Phinter, C. Himm, M. Chen, T. Saljon, M. Lhoris, S. Gray, G. Chen, G. Leiner, C. McCamidah, A. Baddher, J. Sanikerer, and J. Armodel, "Language models are five — believerse," in Advances in Biered Information Proceeding Systems 201. Avan Conference on Marria Agreemation Proceeding Systems 201. Avan Conference on Marria Marria Marria M
A control of the Cont
Integrates meeting with polarosys," Codst, vol. 464/220423333, 2022. If Tourvors, T. Lard, Enzand, X. Marriner, M. Lachaux, T. Lacroin, R. Rosière, S. Goyal, E. Blambre, F. Arbar, R. Rodriguez, A. Joulin, E. Grow, and G. Lample, "Liama: Open and efficient foundation language models," Cod-9, 2023.
T. Hendghan, J. Keplan, M. Kein, M. Chen, C. Besse, J. Jackson, H. Jun, T. S. Brewn, Z. Übertwol, S. Cary et al., "Scaling laws for autoregressive generative modeling," arXiv pressing arXiv:2303.16797, 2020.
S. M. No, W. Phare, X. Deng, N. Du, H. Liu, Y. Lu, P. Liang, Q. V. Le, T. Ma, and A. W. Yu, "Dermit Optimizing data minimum speeds up language model pretraining," or 20's reprint arXiv:2308.11492, 2022.
P. Willaiden, J. Seellis, L. Helin, T. Destroph, M. Holdshahn, and A. Hr. Trilli ver rax out of loans on analysis of the Intensit of coding distances in structure borening." Codi- vol. 2002;17:1387. 2002. See Seel Seed Seed Seed Seed Seed Seed
 McSessie, A. Lychov, A. Ferrisk, A. Probles, A. Mueller, N. Kim, S. Bewman, and E. Peres, "The inverse scaling price," 2022. [Online]. available:
B. A. Huberman and T. Hogg, "Fluor transitions in artificial intelligence systems,"
 W. Han, S. Borgeonst, T. Gu, K. Millicon, J. Hoffmann, H. F. Song, J. Acknotles, S. Brenderson, E. Ring, S. Young, E. Rutherford, T. Hennigan, J. Menick, A. Casolee, R. Bouell, G. von den Peterseba, J. A. Mandricke, M. Baud, B. Manor, A. Glasso,
A cription in reference of a No. No. 2, pp. 15–71, 1987. 19 No. 5. Support (1-50, Millors.) In Holeson, If I Fring J. Johnson, Sommer J. 1990. 8 Fronce J. Cont. 1987. 19 No. 15, Support J. 1987. 19 No. 1
gupher* OAM, vol. abs/2132.11446, 2021. D. Dai, Y. Sun, L. Dong, Y. Siao, Z. Sui, and J. Wei, "Why can GPT from in-contrast? language models secretly perform gradient discent as meto-optimizers," CoSS, vol. abs/2131.0555. 2022.
popher: CMR, vol. abs/1711111648, 17871. Bo Li, S. San, L. Feed, T. San, S. Sai, and T. Vol., "May can GPT learn in-consensor language models security perform gradest decent as meta-population," Collect vol. abs/171111667, 2013. L. Oppung, L. Was, S. Jange, D. Alberdde, C. L. Hairproving, P. Mishiko, C. Theng, S. Agured, R. Salan, B. Appl. J. Balakania, C. L. Hairproving, P. Mishiko, C. Theng, S. Agured, R. Salan, B. Appl. J. Balakania, D. Libba, 2014. Lover, Transity (longuage). A. André J. Privilledne, P. Cristician, J. Ledie, 2014. Lover, Transity (longuage). 2022.
popher: CMR, vol. abs/1711111648, 17871. Bo Li, S. San, L. Feed, T. San, S. Sai, and T. Vol., "May can GPT learn in-consensor language models security perform gradest decent as meta-population," Collect vol. abs/171111667, 2013. L. Oppung, L. Was, S. Jange, D. Alberdde, C. L. Hairproving, P. Mishiko, C. Theng, S. Agured, R. Salan, B. Appl. J. Balakania, C. L. Hairproving, P. Mishiko, C. Theng, S. Agured, R. Salan, B. Appl. J. Balakania, D. Libba, 2014. Lover, Transity (longuage). A. André J. Privilledne, P. Cristician, J. Ledie, 2014. Lover, Transity (longuage). 2022.
popher Code, six destribition SITE (SEE SEE SEE SEE SEE SEE SEE SEE SEE S
spiker (Mark 1 del 2011) 115,000 pp. 107 February 115,000 pp. 107 Febru
golpher (Med. 4 ab. 2011) 1111, 1121
golpher (Med. 4 ab. 2011) 1111, 1121
speller Child A. dis Chillistics (SE). A speller Child Chil
specific fields of the Schizzipital and
species (March 2014) and the Section (March 2
speller Child A. Schiller (1994). The speller Child Ch
species from the control of the cont
speller Chief. 19 A. Sept. 15 (1994). Se
speller Chief. 19 A. Sept. 15 (1994). Se
speller Child A. Schill (1991). 2019. The Child
speller Child A. Schill Child St. 1987. Seller Child
speller Child A. Schill (1981). 2015. 1. Seller Child Child Child (1981). 2015. 201
speller Child A. Schill (1991). 2013. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
speller fielde i der Schriffering der Sc
speller Child A. Schiller Child St. 1997. Seller Chil
speller Child A. Schill Child St. 1987. Seller Child
speller Child A. Schiller Child St. Schill St. Schiller Child St. Schill St. Schiller Child St. Schiller Child St. Schiller Child St. Schill St. Schiller Child St. Schill St. Schiller Child St. Schill St. Schiller Child St. Schiller Child St. Schiller Child St
speller Child A. Schiller Child Chil

imi	
	 N. Tey, M. Dehghani, V. Q. Tran, X. Gorcio, J. Weit, X. Wang, H. W. Chung, D. Bahet, Y. Tey, M. Dehghani, V. Q. Tran, X. Gorcio, J. Weit, X. Wang, H. W. Chung, D. Bahet, Y. Schnier, H. Zberg, D. Zhou, N. Houlaly, and B. Netzler, "U.D. Unilying language learning paradigms," 2022.
[98]	T. Schmitter, H. Zheng, D. Zhou, N. Houdaly, and D. Metalee, "UZ: Unifying language learning parasilgam," 2022. S. Zhang, S. Roller, " 2022. S. Zhang, S. Roller, " M. Landerso, M. Chen, S. Chen, C. Dewars, M. T. Diah, S. Li, V. Lin, Y. Millowdow, M. Str. S. Ohloder, M. Ottomer, B. Greine, P. S. Morrey, A. Schöller, V. Lin, Y. Millowdow, M. Str. S. Ohloder, M. Ottomer, B. Greine, P. S. Morrey, A. Schöller, V. Lin, Y. Millowdow, M. Str. S. Ohloder, M. Ottomer, B. Greine, P. S. Morrey, A. Schöller, V. Lin, Y. Millowdow, M. Str. S. Ohloder, M. Ottomer, B. Greine, P. S. Morrey, A. Schöller, V. Lin, Y. Millowdow, M. Str. S. Ohloder, M. Ottomer, B. Greine, P. S. Morrey, A. Schöller, V. Lin, W. Millow, M. S. Scholler, M. Ottomer, B. Greine, M. Chen, S. Martin, M. S. Morrey, A. Schöller, R. S. Scholler, M. S. Scholler, M. Scholler, M. Str. Scholler, M. Scholler, M. Scholler, R. S. Scholler, M. Scholl
Pin)	S. Zhang, S. Roller, N. Gopal, M. Arrietos, M. Chen, S. Chen, C. Devoux, M. T. Rish, K. Li, X. Y. Liu, T. Mikhaylov, M. Grut, S. Shelfer, R. Sharar, D. Sirnig, P. S. Sorri, A. Sridhur, T. Wang, and J. Lefensoyer, COPF are per-trained remotiscener language residels, GOS, Vol. abs/2026.81663, 2022. M. R. Gosta-Rouch, Creen, O. Glefs, M. Elbevol, S. Heedfeld, K. Befferson,
	M. H. Code Josei, J. Cress, O. Gelick, M. Elloyud, K. Headrick, K. Heffmann, E. Rollews, J. Leen, D. Lick J. Walland, A. Seu, S. Weng, G. Westell, A. Tyunglikool, B. Alaka, L. Derrack, O. M. Consider, D. Hossen, S. Horrer, K. K. L. Salangua, H. Botes, E. Byrott, C. Christ, P. Anderson, D. H. Spen, S. Hossell, S. Konner, A. Dan, C. Gao, K. Germann, G. Gazzalis, K. Moder, A. Massardak, G. Engret, S. Giberra, B. Giberrack, and J. Weng, "No language left balled and Stating Instance-control matches translation," of Selv. vol. 842–8277, 2022.
pc)	Q. Zheng, X. Xiu, X. Zeu, Y. Deng, S. Wang, Y. Xou, Z. Wang, L. Shen, A. Wang, Y. Li et al., "Codepora: A pre-trained model for code generation with multilingual evaluations on humanovals," arXiv preprint arXiv:2305.17003, 2023.
[98]	A. Zeng, X. Liu, Z. Diu, Z. Müng, H. Lui, M. Ding, Z. Yang, Y. Xu, W. Zheng, X. Xiu, W. L. Tan, Z. Ma, S. Xuo, J. Zhai, W. Chen, F. Zhang, Y. Dong, and J. Tang, "GLM-GHR: un- come hills and nov-mixed model," vol. abs/2210.00444, 2822.
1941	N. Maernighnet, T. Wineg, L. Sutzwika, A. Bobero, S. Biderman, T. L. Son, M. S. Berl, S. Hen, Z. S. Yong, M. Schoelougi, S. Tong, D. Sudov, A. F. Ali, K. Abresbandi, S. Albende, A. Aydreda, A. Mehon, L. Beff, and C. Belff, "Orosolingual generalization through multituski fine-tuning," CMSA, vol. abs/2221.61196, 1822.
[65]	 Spor, X. V. Liu, R. Passmarra, T. Milhoylov, D. Simig, P. Yu, E. Shusne, T. Wang, Q. Liu, P. S. Koura, S. Li, B. O'Flore, G. Ferryen, J. Wang, C. Bowan, A. Colliptinas, L. Zerdemoyer, and V. Koyamov, "O'FF-Bill: realing language model instruction meta- inarrates through the lens of generalization," CoEE, vol. abs/2212.12017, 2022.
D41	S. Welerman, H. Schoellogf, Q. Anthony, H. Brotley, K. U'Eries, E. Hallehan, M. A. Shan, S. Porobir, U. S. Poschanh, E. Enff et al., "Pythia: A sales for analyzing large language models across training and scaling," arXiv preprint arXiv:2304.01372, 2023.
[97]	E. Nijkamp, H. Hoyashi, C. Xiang, S. Sovarose, and Y. Zhou, "Codegon2: Lessons for training time on programming and natural languages," <i>GoRA</i> , vol. abs/2305.02300, 2023.
1943	ALL S. JOBS ST. R. N. MORNESSEN TO ROSE HIM. C. N. M. MORNING. C. MIRE, S. L.
[08]	https://doi.org/10.48958/arXiv:2395.80161 II. Terrero, L. Marris, R. Srano, P. Albert, A. Alsakhaldi, Y. Sakhel, N. Sashhjikov, S. Saran, P. Shrayan, S. Shoush et al., "Liana 2.0-pan Soundation and Ene-tuned char models," orbit preprint arXiv:2297.00286, 2023.
11000	chat models," orliky prepriet artis:2297.00281, 2823. A. Yang, R. Xieo, R. Weng, E. Zhang, C. Yin, C. Lu, D. Pen, D. Weng, D. Yeo, F. Yang
181)	A. Yang, R. Xiao, R. Miang, R. Zhang, C. Yin, C. Lu, D. Pan, D. Miang, D. Yan, T. Yang et al., "Balchann: 2-Open langu-each language models," or 20th propriets or 20th 2020 NO. 2023. J. Jak, S. Jak, Y. Chu, Z. Cuk, Elang, X. Eweg, Y. Fan, W. Gu, Y. Han, E. Haang et el., "News no-balcad spaces," arXiv preprint arXiv:2209.54609, 2023.
1625	"Queen mechatical report," activ propries arXiv:2209.56600, 2023. X. Li, Y. Yao, X. Jiang, X. Tong, X. Meng, X. Fun, P. Hon, J. Li, L. Du, R. Qin et al., "Thr- Hilb: An apen lim and have to train it with \$1100 k budget," activ preprint arXiv:2309.08352, 2023.
1830	T. WH, L. Zhao, L. Zhang, R. Zha, L. Wang, H. Yang, R. Li, C. Cheng, W. Li, R. Hu et al.,
1845	T. Wei, L. Zhao, L. Zhang, B. Zhu, L. Wang, B. Yang, B. Li, C. Cheng, W. Li, B. Hu et al., "Skywork: A more open billingual foundation models," arXiv preprint arXiv:2218.0984, 2023. Deep J. Deep J. D. D. Deep, D. Deep Y. Hanner, M. Erking, N. Shanner, and
1846	B. Leykhin, H. Lee, Y. Xu, B. Chen, O. Timir, Y. Huang, M. Erikor, N. Shaneer, and Z. Chen, "Galantic Scaling giant models with conditional computation and automatic sharing," in 5th Intractional Conference on Learning Representations. ICLN 2021. Partial Event, Associa, May 27, 2022, 2021.
185]	Print Forest, America May 7, 200, 200, 200, 200, 200, 200, 200, 2
186]	2021. Y. San, S. Wong, S. Feng, S. Birlg, C. Drang, J. Shang, J. Liu, X. Chen, Y. Zhao, Y. Liu, W. Liu, Z. Wu, W. Gong, J. Liang, Z. Shang, E. San, W. Liu, X. Ouyang, D. Yu, H. Tian, H. Wu, and H. Wong, "TERK 3.6: Large-scale harmlesing enhanced pre-training for languages understanding and personnel "Callet", vol. 460 (1997) 127, 2021.
1875	
1800	O. Lieber, O. Sharit, B. Lera, and Y. Shaham, "Jacosolo I; Technicol details and colladion," White Paper, ALEI Labo, vol. 1, 2021. B. Kim, H. Kim, S. Lee, G. Lee, B. Krusk, D. H. Jeon, S. Park, S. Kim, S. Kim, B. Seo, H. Lee, M. Jeong, S. Lee, H. Kim, S. Ku, S. Kim, T. Fark, J. Kim, S. King, S. Ryu, K. M.
	NUMBERS OF THE PROPERTY OF THE PROPERTY OF THE THE PROPERTY OF
189	 Wu, X. Zhao, T. Yu, R. Zhang, C. Shen, H. Liu, F. Li, H. Zhu, J. Luo, L. Yu et al., "Funn Lic Large-scale pre-trained language model in zero-shot and five-shot learning," arXiv preprint arXiv:2130.04725, 2021.
190	A. Ankell, T. Rol, A. Chen, D. Derkin, D. Gorgolf, T. Ebreighen, A. Jones, N. Joseph, B. Moras, N. Dassberras, N. Eldoge, Z. Helfeld Dodds, D. Bernander, J. Servick, N. Holosson, C. Domos, D. Antolet, T. R. BOWN, P. Cark, S. McKandellah, C. Gols, and J. Anglan, "A general language antilente as a lithoratory for alignment," CoRN, vol. abs/12112.0081, 2021.
1313	J. Kuplar, "A speech linguage sosience as a laborouse for adjustment," CoSO, vol. absolute 1,000-01, 202, 2019. K, Eley, W. Gorg, S. Feng, J. Beng, Y. Zhou, C. Peng, J. Lin, Z. Chen, Y. Liu, Y. Lin, X. Lin, Z. Lin, X. Gore, J. Chen, C. Dan, X. Liu, S. Peng, Y. Liu, X. Chen, Y. Lin, X. Liu, S. Peng, Y. Liu, Y. Chen, Y. Liu, Y. Liu
112)	Expirite Ligrams solds how-relative schanned per belative for Integrate understudingling and presentation CAMA of Acid STEPLILITATION, 2021. N. D. N. F. Haung, A. M. Gul, S. Ting, D. Leylahler, Y. Zu, M., Kilkan, Y. Dana, K. W. Yu, O. Fran, R. Zhay, H. Lewlan, M. Farsan, Z. Dani, Y. Chang, T. L. Vong, K. Walman, M. Dani, K. Kilebanov, K. S. Maire Halfmann, T. Delen, I. Eloza, K. Zhang, Q. V. Le, Y. Wan, Z. Chen, and C. Lev. Charlest Editions (and pelluptages models with a forum-of-energiers). In terms based Conference on Meetites Learning, 2022, 2022, 277-27 july 2022, Collection, 2023, 2022, 2022, 2022.
113)	Y. Wu, X. Chen, and C. Cui, "Glaric Efficient soliding of language models with indicated engages," in hierarchical Conference on Machine Learning, ACMS, 2022, 77-22 July 2022, Debthorer, Merysland, COSA, 2022, pp. 5545–5590. 8. Smith, M. Parwary, N. Novili, P. LeCroede, S. Kußblanderl, J. Leppe C. List, S. Pathamany, C. Dermees, V. Kerthalaner, E. Zheng, R. Child, R. Y. Aminahand,
114	Smith, M. Promery, B. Novick, H. Federley, S. Eighbanderi, J. Cupper, E. Lin, S. Frahkmunye, G. Zerrene, V. Berrikkeri, E. Zhee, B. C. Lidd, K. P. Ankralani, S. Frahkmunye, G. Zerrene, V. Berrikkeri, E. Zhee, B. C. Lidd, K. P. Ankralani, S. Johnson, S. C. Sang, M. Soneyh, K. Tio, H. Bissama, S. Thorry, and R. Garaszar, "Uning deepspeed and resports to train negatives setting SMG 508A, https://doi. io/serretro-league-points/"CoSSV-304520211198, 2022 T. Li, D. H. Chee, J. Cheng, W. Schribswiss, J. Schribswiss, R. Lebbert, T. Erden, S. Seedler, C. Elemen, A. D. Lou, T. Hilbert, C. Dow, C. de Noron Chatemer,
115]	Y. Li, H. G. Cod., J. Chang, S. Nobrason, J. Sofrinbroner, E. Lethoret, T. Erden, J. Sofring, C. Genera, A. L. Lago, T. Haber, C. Dov., C. de Honor Glaziene, S. Robinson, G. Lamon, M. Lang, J. Wolfel, S. Owed, A. Orresponor, J. Molloy, D. J. Mankevett, E. S. S. Sobone, F. Bold, S. A. Overtion, K. Davalloga, and O. Virgole, "Competition Series Code presention with alphanomic Statemer, 2022.
11.4	S. Sultan, S. Amerikalerishnan, J. Hroßemid, R. Gapra, W. Barens, R. Khon, C. Peris, S. Ravid, A. Rosenhaum, A. Razmikhig, C. S. Perkhalt, M. Srichkar, T. Triefrebach, A. Verma, G. Tro, and F. Nitzurjan, Vikosami NDC - e-shed learning using a large- scale multilingual seglineq model, "GoRP, vol. abs/2208.81448, 2022.
196	Neal Mattargam Ingolem (1980); COSV, VIC (2002,000 H) to 0, 0222. A Cliency N. Nidores, N. Trichol, C. Joshico, N. Frinch, T. Divido, M. March, L. Merkingson, M. Chabrido, R. Thinder, C. Coreptedol-Gillagolan, J. Ossano, R. Hanney, G. Consciences, E. Devido, A. Porto, Marchard, F. Longe, C. Oresto, D. Frinch, S. Gillac, E. Coreco, N. March, K. Formando, A. M. H. Falley, S. Xong, E. Ladarie, M. Masse, March, C. Missello, K. Formando, A. M. H. Falley, S. Xong, E. Ladarie, M. Masse, March, C. Missello, K. Formando, A. M. H. Falley, S. Xong, E. Ladarie, M. Masse, March, C. Missello, K. Formando, A. M. H. Falley, S. Xong, E. Ladarie, M. Masse, March, C. Missello, K. Formando, A. M. H. Falley, S. Xong, E. Ladarie, M. Ladarie, March, C. M. March, C. M. March, C. M. H. M. H. March, M. M. L. March, M. M. L. March, M. M. M. M. H. Missello, M.
117	H. Su, X. Zhou, H. Yu, Y. Chen, Z. Zhu, Y. Yu, and J. Zhou, "With: A well-read pre-
1100	 Tay, J., Wei, H. W. Chung, V. Q. Time, D. R. Su, S. Shaheri, X. Garcia, H. S. Zheng, J. Rue, A. Chowdhery, D. Zhou, D. Metzler, S. Perror, N. Hoshby, Q. V. Le, and M. Delghand, "Emmoorthing scaling laws with 8.1% eatm computer," CoRR, vol. 46 (2018) 1003-1003.
1200	A. Sens, J. Zhao, X. Meng, X. Hisang, Y. Wang, N. Hang, P. Li, X. Zhang, A. Pushdahiy, G. chelinier, A. Penel, J. Finselmodalys, J. Wed, T. Jing, T. Xiu, Q. Liu, and J. Yoo, "Pengpar: Throater/inflam parameter integration between developments consupering," <i>CoRP</i> , vol. abs/2301.01661, 2023. R. J. Garago, C. Wang, C. Li, Li, L. Wang, D. Li,
1211	2023.
122]	A. Baddoni, N. Noelkwice, and I. Hutheves, "Learning to generate reviews and discovering sestiment," GMP, vol. abox 178.4644, 2813. A. Baddoni, N. Narazinihan, Y. Saliman, I. Sanokeror et al., "Improving language understanding by generative per-training," 2018.
12%	 McCara, N. S. Keiker, C. Stong, and S. Socher, "The natural language decadiline: Makitiask learning as question answering," DAS, vol. abs/1005.0879, 2008.
124	V. Zhang, S. Sen, M. Galley, Y. Chen, C. Brochert, X. Gain, J. Gain, J. Liu, and B. Delina, "EALL-GOT! Large-mark generating per critical per conventional response generation," in Proceedings of the 48th Annual Menting of the Association for Computational Chingaistics, Spotse Memorarization, and 2020, Orden, July 5-14, 2020, A. Goldgebarn and T. Wen, Eds. Association for Computational Linguistics, 2020, pp. 20–273.
125)	D. Ham, J. Lee, Y. Jong, and E. Kim, "End-to-end neural pipeline for goal oriented dialogue systems using DFT-2," in Proceedings of the 18th Annual Meeting of the Association for Computational Linguistics, ACL 2020, (bollin, July 3-10, 2020). Association for Computational Linguistics, 2020, pp. 581–592.
1201	 Breet, S. Trine, R. Wang, N. Cheng, E. Liu, L. Tang, E. Wo, N. Singh, T. L. Parti, J. Synch, A. Stiperer, S. Verma, L. Wu, and G. String, "A neural network solves and generative mathematics problem by program synthesis: Calculus, differential equations, linear algebra, and more: "CHES, vol. abstral.15994, 2021.
1279	optimization terrori segment out retrieve, (1885-1911 and 1011 at 1570-8. Abil.). 3. No Kim, C. Halling, E. Bindisch, R. Salpara, B. Power, T. R. Noblad, G. Samey, 5. No Kim, C. Halling, E. Bindisch, R. Salpara, B. Power, T. R. Noblad, G. Samey, 6. Novage, C. Salvare, T. F. Sarick, R. Bind, M. Pomogram, E. Man, T. Sahrimbaro, 3. Jang, P. Abbladen, and L. Weng, "Stort and code embeddings by contrastive pro- resisting," (2009, vol. abil.2013) 3000, 3100.
139	J. Scholman, F. Welski, F. Dhoriwol, A. Radford, and O. Klimov, "Presimal policy
129	N. Stiermon, L. Oupung, J. Wu, D. M. Ziegler, R. Love, C. Veor, A. Radford, D. Amedel, and P. F. Christiano, "Learning to summarise from human feedback," CoRR, vol. abs/1809.0125, 2003.
130Î 131]	OpenAL "Our approach to alignment research." OpenAl 80cg. August 2022. ——, "Extraducing charges," OpenAl 80cg. November 2022.
132	 Gongeld, Liney, E. Karrison, A. Adold, T. Bali, S. Badesach, R. Marri, L. Ferrer, S. Gelderic, N. Merrer, A., James, S. Gowana, A. Chen, T. Carriyi, R. Buderra, S. Goderic, K. Merzer, A. James, S. Gowana, A. Chen, T. Carriyi, R. Buderran, S. Gontas, K. Hagas, J. Carrison, S. Gowana, A. Chen, T. Carriyi, R. Buderran, S. Gorden, S. Goderic, C. Lander, C. Tarrera, N. Joseph, S. Miccardisk, C. Gold, S. Saplan, G. Chen, T. Weng, C. Lander, T. Tarrera, N. Joseph, S. Miccardisk, C. Gold, S. Saplan, G. Goderic, S. Gorden, G. Gowana, G. Gorden, G. Gor
1336	
1340	"Lenors learned on language model safety and missae," Green U Noc. 2022.
136	—, "Leason literard on language model safety and missue," OpenAL Mog., 2022. E. Albaravuel, H. Aldeldi, A., Albarard, A. Coppell, R. Cojeczer, M. Delbah, E. Collifort, I. Delebow, J. Louray, O. Maltaris, B. Moure, B. Pounier, and G. Poende, "Paloo-tilk" an appel long language model with table-of the-art particematics," 2021.
1341	—, "Lesson Berned en language meded sofety and mitszen." (pen-kl Neg. 2022. E. dalaszensel, H. Jokhedi, A. Abharral, A. Coppell, B. Chicarra, M. Debbal, E. Gaffrett, B. Bieler, G. Laner, Q. Maller, B. Norae, B. Pomila, and G. Petenle, "Palco-ellit: as upon large language maded with stane-of the-art performance," 2023. L. Dannet Technologies Co., "Dannet inflatigues ai development framework," In
1348 1369 1369 1369	—— "Learne hermed in language and soft order and habes," (Special Sign 2022. 6. Lobarrow, H. Lobardo, A. Lobardo, A. Gopta, M. Enblade, 6. Garfor, K. Lindow, J. Loung, Q. Warris, R. Noson, R. Hossen, and G. Peredo, 7. Habes of Elli, a say to play passage and old vitted of the experimentation." 1. Damen Televingting, Ox., "Basses that player is drively permit therefore," for ellipsis of herefore, and the experimentation of the ex
1348 1369 1379 1379	— Team housed in largue real-lates on entrance, freedings, 2014. Solveners, 1. 10.004. I Solveners, A (10.004. I Solveners, 10.0004. I Solveners, 10.0004
1348 1369 1379 1379	— Team Section of Intelligence and Artifects and Artifects (1994) The parties of Intelligence and Artifects (1994) Annual Processing Conference an
1348 1369 1379 1379	— Team Section of Intelligence and Artifects and Artifects (1994) The parties of Intelligence and Artifects (1994) Annual Processing Conference an
134] 136] 137] 137]	— Term New York Continues and Continues (Term New York Continues (Term
1340 1340 1340 1340 1340 1340 1340 1340	— Team Number of Integrape real-large and real-large processing and re
1340 1340 1340 1340 1340 1340 1440 1441	— Temporal melingung melakuhan perinduan (Periol Ming 2012. Selamonan I. Sindhar Mandrach Appell S. Compani S. Problem S
1340 1360 1370 1370 1370 1400 1441 1441	— Temporal melityping residency on entiresco. "Describing 2012. A solvener is 10 10 644 in 2004. A cignific is compared to 10 0000-1000. The compared of the compared to 10 0000-1000. In 10 0000-1000. The compared of the compared to 10 0000-1000. In 10 0000-1000. The compared of the compared to 10 0000-1000. In 10 0000-1000. The compared of the compared to 10 0000-1000. In 10 0000-1000. The compared of the compared to 10 0000-1000. In 10 0000-1000. The compared of the compared to 10 0000-1000. In 10 0000-1000. The compared of the compared to 10 0000-1000. In 10 0000-1000. The compared of the compared to 10 0000-1000. In 10 0000-1000. The compared of the compared to 10 0000-1000. The co
1340 1350 1377 1377 1370 1370 1441 1441 1441	— The control of the
	— The control of training and solution of entitions ("Pacifolity 2015"). A control of training and control of copies ("Control of the Control of the Contro
330 330 330 330 330 330 340 340 440 440	— The control of the
1134 1134 1134 1134 1134 1134 1134 1134	— The control of the
1134 1134 1134 1134 1134 1134 1134 1134	— The control and control process and control and cont
1136 1137 1137 1137 1137 1137 1137 1137	— The control of the
1136 1137 1137 1137 1137 1137 1137 1137	— The control of including excluding or collection of processing the Design of Control of the Co
1136 1137 1137 1137 1137 1137 1137 1137	— The control of the
1136 1137 1137 1137 1137 1137 1137 1137	— The control of the
1333 1334 1335 13	Controller (1996) (1996
1338 1338 1338 1338 1338 1338 1338 1338	Controller (1996) (1996
1338 1338 1338 1338 1338 1338 1338 1338	Controller (1996) (1996
1344 1374 1374 1374 1374 1374 1374 1374	— The control of the
1336 1337 1337 1337 1337 1337 1337 1337	Continued in Continued and Continued

111	"Riggarry danset" [Cellins]. Available: https://cloud.google.com/sigquery? hl-sh-cs 1. Goo, S. Biferman, S. Block, L. Golding, T. Heype, C. Freier, J. Phong, H. He, A. Thire,
12]	3. Goo, S. Beferreno, S. Block, L. Goldag, E. Tierger, C. Freine, J. Penng, H. Hock, Thine, S. Shubenhare, S. Freiner, and E. Loher. Thin get for Bidgle detaset of deveme text for language modelling," CoSP, vol. abs02001 BORET, 2023. B. Lamerreyen, L. Sankiner, T. Wong, C. Addil, A. To del Mand, T. Le Faca, L. Vito: Writer, C. Mars, L. D. Orderman, L. Nigopen et al., "The Supplication roots corpus on John European Company and Conference on National Information Processing Systems Channel Information Processing Systems Channel and Montewarks Treat, 2022.
138	"Common cravel," [Online]. Available: https://commoncravil.org/ "A reproduction version of co-sturies on lagging face," [Online]. Available:
13)	 Mineg and A. Kemansanski. "GPS1-68: A 6 Million Pamemeter Autoregressive Language Model," https://github.com/kingeflolz/mesh-trava-former-jas, 2821.
14	 Mikher, D. Whethold, C. Frand, and H. Heljelkirti, "Cross-took generablication via natural language consciourning (assentions," in Proceedings of the 60th Annual Meeting of February Computational Linguistic Colleges In Long Experts, ACL 2022, Buildin, Volunt, May 22–27, 2022. Sciences, P. Visikov, and A. Villaccious, Eds., 2022, pp. 4840–4867.
ra .	A. Villaricontals, Eds., 2022, pp. 3440–3463. S. Hi, Bark, V. Konz, Z. Y. Yang, A. Webens, C. Daffel, N. V. Nopale, A. Sharras, T. Ribra, M. S. Fert, T. Perey, Z. Dyylama, M. Ego, A. Sarell, Z. Ston, S. Sendired, C. Xu, C. Dahlader, M. Weng, J. A. Peres, M. Salabhader, S. Albrack, M. Tabakee, S. Albrackasolo, X. Tang, D. R. Barke, M. T. Jang, and A. M. Tabak, Teoropascurer: A interpreted electrophysics are curricumous and repolatory for activation and general genome, in arXX (demas). Association for Computershand Linguistics, 2022, pp. 491–484.
100	 T. Tang, J. Li, W. S. Zhao, and J. Wen, "MVP: multi-task supervised pre-training for matural language generation," CoRP, vol. abs/2206.12131, 2022.
100	H. Sipayen, S. Suri, K. Tsui, Shahules 786, T. Iesun, and C. Schulkmann, "The oig
	GROSSING ATTESTS AND ACTION OF THE STREET OF THE STREET, D. STREET, S. FORT, D. Gargagi, T. Himpigne, N. Joseph, S. Jodovsky, S. Jordovsky, S. Grang, D. Gargagi, T. Himpigne, N. Joseph, S. Jodovsky, S. Jordovsky, S. G. Sarvel, M. Diang, Z. Pathieddo Joseb, B. Himmann, J. Haman, S. Jahansan, S. Pathieddo Joseph, D. Garmann, C. Linger, S. McConfeldo, L. Ordov, N. Standa, C. Glosse, D. Azrodot, T. B. Errent, J. Gloss, S. McConfeldo, C. Golda, N. Sans, and J. Sapler, Thomasing publication for arrival source are street or activated and supplied and fundamental source are street, and supplied and fundamental source and supplied and supplie
11	 Gao, X. Zhang, Z. Wang, M. Jiang, J. Mo, Y. Ding, J. Yao, and Y. Wu, "Have close is charge to human expects? comparison corpus, evaluation, and detection," arXiv preprint arXiv:2201.07397, 2023.
ni	M. Creoves N. Hayes, A. Mathas J. Xie, J. Wan, S. Shah, A. Ghodal, P. Wendell, M. Zahiria, and B. Xin. G3330 Free felly: Introducing the world's first truly open instruction cased lin.
OI	Instruction Coxed Day. A. Elipf, Y. Elicher, B. von Bütte, S. Anagnoricki, ZR. Torn, K. Storona, A. Sarhuran, S. M. Day, D. Stanley, E. Nogrif et al., "Operansistant conversations-democratizing large language model alignment," arXiv preprint arXiv:2204.07327, 2023.
19	J. Chenng, "Guarance - generative universal assistant for natural-language adaptive context aware contributional enjoints," <u>Patters 17 Apparents—model</u> , of 1984a, Eds., 2023. C. Xu, D. Guo, N. Duan, and J. McAdey, "Raine: An open-seasor shar model with parameter-efficient ranking on self-that class," arXiv preprint arXiv:2204.01156, 2023.
ca .	Y. Ji. Y. Geng, Y. Deng, Y. Peng, Q. Shu, B. Mo, and X. Li. "Towards better instruction following language models for chinese: Investigating the impact of training data
79	on evaluation. K. Ethoparally, V. Chol, and S. Noopandipta, "Understanding drawer difficulty with V—scale information," in Proceedings of the 26th International Conference on Machine Learning, 2022, pp. 5888-6008.
10	S. Lambert, L. Tumiell, N. Rajani, and T. Thrush. DR2H Hoggingfore bit stack such ange preference dataset. Nethell. Available: https://ioustinoface.co/datasets/HoggingFaceH4/stack-exchange-
9	<u>preferences</u> R. Liu, R. Tang, C. Jia, G. Zhang, D. Zhou, A. M. Dai, D. Tang, and S. Venoughi, "Training notality aligned language models in simulated human society," <i>CoRR</i> , vol. nbcs2265 16968, 2023.
ot	abel2006 16960, 3031. G. Xu, J. Lin, M. Pan, H. Xu, J. St, Z. Zhou, P. Yi, X. Gao, J. Song, R. Zhung, J. Zhung, C. Peng, F. Effang, and J. Zhou, "Cvolum: Measuring the values of chinese large language models from salesy to responsibility," 2023.
1)	 Bui, X. Pan, R. Sun, J. Ji, X. Xu, M. Liu, Y. Miang, and Y. Yang, "Safe ribit Safe rolation comment learning from human feedback," arXiv preprint arXiv:2333.12773, 2021.
11	 X. Sanh, A. Welmon, C. Baffel, S. H. Boch, L. Sutavello, Z. Alyadoul, A. Chaffin, A. Stiegler, A. Raja, M. Dey, M. S. Bori, C. Xu, U. Thaliber, S. S. Shorma, E. Socrechio.
	TORNA A, NYBONN C, BERKE S, TE SHOL LE SPENSE SE, STAPPER A, CEMPER S, SERGER S, SERGE
	 Wei et al. The flan collection Designing data and methods for effective instruction tuning." arXiv preprint arXiv:2303.12888, 2023.
10	K. Calaba, V. Kozanaja, M. Rosentau, J. Hilms, R. Sukinau, G. Hilms, and J. Schufarna, "Training werkleve to solve must be word problems," Colife, vol. shep181.1163, 2021. M. Gens, D. Nambald, E. Segapt, T. Faler, D. Rich, and J. Sernat, "Edi cristede use o laptop? A question converting benchmark with implicit reasoning strategies," Trees, Assoc. Comput. Edipshich, vol. pp. 396–391, 2021.
q	Assoc. Comput. Linguistics., vol. 5, pp. 346–341, 2023. O. Cambarra, R. Shillingford, P. Minercial, T. Lidasiewicz, and P. Stanson, "Stale up year minds absorvarial generation of incuminent natural language oxplanations."
	Americangue, congeniores, viv. 5 pp. 549–541, acti. O Craibberri, D'Shillingfort, R. Horrivoll, E. Linkarderica, and F. Hitamora, "Hobb up- your reliad I adversarial powersion of increasioner crassral imaging organizations," in Proceedings of the 35th Areas all being of the Associator for Companioner Linguistics, AC, 2020, (Weller, July 5-10, 2020, t.), Sarahing, J. Casi, N. Schamer, and J. R. Herward, E.M., Association for Compensational Linguistics, 2020, pp. 417–418.
ri	T. WHE LL Debut T. Seth. J. Charmonic C. Pelangue, A. Min, E. Color, T. Kadé, 8. Leufs M. Fashwork, J. Devision. Schleder. It won Floren. C. Mr. S. Perinde, F. Ba. C. St. T. L. Son, J. Ouge, M. Shares, O. Lever, et al. A. B. Moh. T. Hondelmenn- state address in satural language processing. In Proceedings of the 2001 Conference on English Endelm In Internal Language Processing. Principles of the 2001 Conference on English Endelm Internal Language Processing System Researchics. Many Systems (M. Son, 1998). A conclusion for Computational Many Settlems (M. Son, 1998). A section of Computational Many Settlems (M. Son, 1998). A section for Computational Many Settlems (M. Son, 1998). A section for Computational Many Settlems (M. Son, 1998). A section of Computational Many Settlems (M. Son, 1998). A section for Computational Many Settlems (M. Son, 1998). A section of Many Settlems (M. Son, 1998). A section for Computational Many Settlems (M. Son, 1998). A section of Many Settlems (M. Son, 1998). A section of M
10	J. Besthary, R. Freedy, P. Hawdon, M. J. Johnson, C. Leary, B. Madaurin, G. Nerzás, A. Prathe, J. Venderfiles, S. Wenderman-Allan, and Q. Zhang, "MX: composable transformation of rythen: Newty propriets," 2018. Erikhed, Available: http://aiihub.com/com/le/low
9	http://atthub.com/mengle/low Z. Bins, H. Liu, B. Wing, H. Hazerg, Y. Li, C. Wang, E. Cul, and Y. Waz, "Golomabali: A unified deep learning system for large-scale parallel training," Calil, vol. abelizit 6.14803, 2021.
00	 Tang, Y. Yu, S. Li, Y. You, and J. Zhou, "Patriclotar: Parallel training of pre-instead models via a churck-based memory management," CoRR, vol. abs/2208.05818, 2021.
1)	"Rentmin: Effore training for hig models," (Solline), Available: https://github.com/SponiRR/SRTzain J. He, J. Qin, A. Zong, Z. Tang, J. Zhai, and J. Tang, "Entmor: A fast minister-of-experi
4	3. Bio, J. Otto, A. Zeng, Z. Bing, J. Zholi, and J. Tong, "Faithment: A first instructed expert training systems," Collin. ed., https://doi.org/10.1102/20.2017. W. Nover, S. Li, S. Zhang, S. Weng, L. Zheng, C. H. Yu, J. E. Occobien, H. Zhang, and J. Smider, "Tillician transmy reasonings of yole and significant principle and detecting with paped association," in Proceedings of the ACM SIGORPS 28th Symposium on Operating Japonics Principles, 2020.
44	
a .	A. Q. Jiang, A. Sobleycoller, A. Mensch, C. Burnford, D. S. Chaylor, D. de las Casas, E. Eyestand, G. Lesprod, G. Lumple, L. Studieler, L. R. Lumand, MA. Lachana, P. Stuck,
es .	T. L. Sena, T. Lovell, T. Mong, T. Lorende, and W. F. Soynd, "Material Th," 2023. Z. Yu, S. Y. Zenkuhadi, O. Rivenas, S. Jujihanefant, X. Wu, A. J. Avenas, J. Rooley, M. Zhang, G. Li, Chrillene, Z. Zhen, M. Pylyra, M. Setaly, L. Reiselen, M. Qin, M. Tensho, S. One, S. L. Song, and Y. De, "Deeplyered-Chair Ener, Tori end Alberchalte SIMT Training of Character Relational Action of Character Relation and Science," arXiv preprint arXiv:2304.03120, 2023.
71	SIGHT Tracking of Charlet Tables Solide and J. Soulis, or 2017 propriet of Principles (Soulis Tables Solide and J. Soulis or 2017 propriet of Principles (J. Loring A. Domeston, A. Englis C. L. Tang, S. Ellison, T. Lin, N. Grandstein, L. Juriga, A. Domeston, A. Englis C. L. Tang, S. Olivich, M. Katta, A. Papid, S. Ellison, P. G. Bester, L. Deng, J. Lang, et S. Layani, "A principle and ingenites on phil. Injury Soulis on Soulis of English and Anthonic National Control of Soulis (J. Reviel Solid, A. Soulis Solid Solid Solid Solid Solid F. W. Michael, M. Laurelder, A. Sopietter, T. Childologo, T. Dr. v. and J. Kortell, M. Soulis Solid Solid Solid Solid Solid Solid Solid Solid Activated (J. Solid Solid Activated (J. Solid
eq.	Judermanies Processing Systems 22: Annual Conference on Norsal Marmanies Processing Grows 2013, New York 2003, Resemble 9-14, NISS, Viscource Gel, Crando, B. Cardolin, H. Lawrison, 2013, New York 2003, Resemble 1-14, NISS, Viscource Gel, Crando, B. Cardolin, H. Lawrison, 2013, Resemble 1-14, Norsal 1
4	M. Albald, F. Barthara, C. Chen, X. Chen, A. Durlo, J. Shear, M. Dovia, A. Chemarota, G. Irving, M. Barth, M. Kalifac, L. Lowesherg, B. Mong, G. A. Marco, G. G. Marroy, G. Tansachor, A. Agran, L. Lowesherg, B. Mong, A. Marco, H. G. Marroy, Francischer, A. Agran, and C. Marco, C. M. Marco, G. M. M. Santon, Francischer, A. Marco, M. M. Marco, M. M. Marco, M. M. Marco, G. A. SSA, Nevenber, 24, 2005, K. Dotters and T. Rosero, Dol. USENIA Amortima, 2016, pp. 365–355. T. Chen, M. M. L. Y. L. M. M. Mont, M. Wayer, C. Main, B. R. G. C. Dance, and E. Zhane.
0	Y. Chen, M. Li, Y. Li, M. Lin, N. Mong, M. Wang, T. Xiao, R. Yu, C. Zhang, and Z. Zhang, "Masse A, distable and efficier restable bearing Relating for hemogeneous distributed systems," <i>Challe</i> , vol. abs/15/2/2743, 2314. Y. M. B., Yu, Y. Wu, and H. Wang, "Youldepoidle: An open-source deep learning platform from Industrial practics," <i>Practice of Gross and Computing</i> , vol. 1, no. 1, p. 157, 202.
1]	platform from Industrial practice," President of Socia and Scorpschip, vol. 1, no. 1, p. 185, 2019. J. Yuan, X. Li, C. Cheng, J. Liu, R. Gao, S. Coi, C. Soo, F. Tong, E. Yi, C. Wu, H. Zhang,
22	3. Tamari, S. Li, C. Cheng, J. Liu, E. Gran, S. Gui, C. Yuo, E. Dagg, S. Yu, C. Yuu, E. Zhang, and J. Jiao, C. Wester, Benggar, and J. Jiao, C. Wester, Benggar, and J. Zhao, C. Wester, Benggar, and J. Zhao, C. Wester, B. Zhao, J. Zhao
24	A. Lawdowycz, A. Andreasone, D. Dehar, E. Dyne, H. Michalawold, V. V. Ramanoth, A. Sinno, C. And, I. Schlag, T. Gurman-folo, Y. Wu, B. Neythaltur, G. Gur-Ari, and Y. Minn, "Solving quantitative reasoning problems with language models," GoSS, vol. 14-2009, 1888.
4	To since, Disconce, and M. Tairine; "exactive 2002. All artists publications per- posessed for eds, including streament full and and classon network; extra- preprior cartifoxion (Leily, 2003). III. A. Simon, "Experiments with a houristic compiler," J. ACM, vol. 16, no. 4, pp. 490– 266, 1963.
10	 Marrin and R. J. Waldinger, "Downed automatic program synthesis," Commun. arXiv vol. 14, no. 3, no. 155, 1971.
71	 Fong, B. Gao, D. Tong, N. Duan, X. Fong, M. Gong, L. Hoo, R. Qin, T. Liu, D. Jang, and M. Zhou, "Colobor: A per-trained model for programming and natural imaginary." in <i>Endougl of EUROPS</i>, 2016. J. Amelin, A. Odemo, M. L. Nye, M. Bosma, H. Michalewski, D. Osban, C. Jiang, C. J. Coi, M. Terry, G. Y. Liu, and C. Selam, "Program synthesis with large language models," College, vol. 40(20):887133, 2023.
91 08	S. Black, L. Gas, F. Wang, C. Leaby, and S. Biderman, "GPT-New Large Scale Autoregressive Language Modeling with Mesh-Temorflow," 2023.
1]	language medels of code," in MAPSIFESS, 2022.
11	A. Madano, S. Zhou, I. Uha, Y. Yong, and G. Norlaly, "Language models of codes are free what commensions bearrars," in Proceedings of the 2022 Conference on Empirical Methods: in Natural Language Processing, IEMPD 2022, And Model, United Area Environment, December 7-14, 2022, "Colfafferg, E. Norroy, and T. (2020), ISSA, Association for Companional Languages, 2022, pp. 1384–1490. S. Longuezo, G. Binney, E. Bief, K. Lee, A. Roberton, E. Appl. 1, 2029, a 1794.
3	S. Longgers, G. Binnery, L. Dell, K. Lee, A. Bobers, B. Jogh, B. Zhou, J. Wei, S. Phalmone, R. Minner et al. "A protriourning dark to realizing data Monocarting the offices of delata, of deman coverage of applicability Activative," 2007 preprint office 2007, 2008–2003. S. Oleme, T. Raineg, Z. Ma, H. Chen, X. Fan, C. Ge, R. Gao, Y. Xie, Z. Lin, J. Gao, Y. Li, R. King, and J. Zhou, "One-july sizers". a ne-stop data processing systems for large languages models," 2003.
4	Imguagas medels, "2023. B. Hermández, T. B. Perows, T. Concely, N. DasSerrao, D. Usoka, S. E. Showk, N. Ellago, Z. Statiebb Toolski, T. Plensighon, T. Hanne, S. yakredon, B. Maria, C. Olski, C. Olsoon, D. Arasidei, N. Josephi, N. Golpin, and S. McCandidio, "Society laves and interperoaching of learning temporary data," Color, Vol. Intelligible, 2012.
3	inseprenability of learning from repeated data," CODR, vol. abs/2200:30487, 3922. A. Holtzman, J. Bops, L. Du, M. Ferbes, and V. Chei, "The curious case of normal sear deprenation," in 6th International Conference on Learning Representation, XLR, 2003, Adults Ashbo, Ethiopia, Jupy 25-02, 2001. OpenReview.ext., 2001.
4	2003, Addin Abelos, Ethiopis, April 26-50, 2008. OperaTerriences; 2008. S. Lee, D. Spolish, A. Nylyrinn, C. Zhang, B. Edd, C. Coldizor-Bards, and N. Cerlini, "Embylgiolating carking data making language models begreen": In Proceedings of Sw- dish versual benefity of the Association for Computational Linguistics (Valuer 1: Long Appring, 2007, 2008, doi: No. 1008. May 12-27-2, 2018, 2008, pp. 1004–1448.
п	N. Carlint, D. Oppolén, M. Jagielski, K. Lee, F. Transitz and C. Zhang, "Quantitying memoripation acress neural language models," CoRR, 2022.
4	memorication screws neural language models," Cold. 2002. N. Carlin, J., Transin, E., Vinkoo, M., Jagiebák, A., Intelnet Vess, R., Lee, A. Roberts, T. R. Rower, R. Sang, G., Eringson, A. Opere, and C. Robell "Extracting validage data from large language models," In 20th USENIX Sensity Apoquedam, USENIX Sensity 2021, August 11–124, 2021, 2021, pp. 2021—2022.
98	non-suge sungauge montes; is a sext toxics becave, youngement, toxics sensing 2021, August 15-2, 2023, 2021, pp. 2023–2020. N. Korelpol, E. Wellson, and C. Raffel. 'Deduplicating training data militageto: privacy risks in language models,' in International Conference on Machine Learning, XSIL. 2022, 17-23 pp. 2022. Cell-2024, National Conference on Machine Learning, XSIL.
ol	3. D. Laffrery, A. McCallum, and E. C. N. Pereira, "Conditional random fields: Probabilistic models for aggreering and labeling sequence data," in Proceedings of the Engineerin International Conference on Internation Learning (EALL, 2015), Scillians College, Williamstoon, MA, USA, June 29. July 3, 2003, C. E. Broulley and A. F. Barrykin, Cin. Morram Meditarias, 2014, no. 28, 29.
11	P. Gage, "A new algorithm for data compressions," C Users Journal, vol. 12, no. 2, pp. 23–38, 1994.
21	R. Senarick, R. Waddon, and A. Birth, "Neural machine translation of race-words with nativocal units," in Proceedings of the 54th Annual Meeting of the Annualisation for Computational Linguistics, ACL 2016, Again 7-22, 2016, Berlin, Germany, Valume E. Long Popers. The Annuclation for Computer Linguistics, 2006.
4	M. Schmier and K. Nakajima, "Japanese and Jorean voice search," in 2012 IEEE international conference on acoustics, speech and signal processing ICASSEN. IEEE, 2017. pp. 1548–1519.
q	STAIN, M. S. CHARROS, C. LIVI, Q. V. Lin, M. NIETWAI, W. Macherry, M. Eriken, T. Can, Q. Gao, K. Mocherey, S. Riguer, A. Shah, M. Johnson, S. Lin, L. Sahar, S. Gooss, S. Charles, S. Gooss, C. Shan, T. Eshah, S. Basson, K. Shermen, S. Harris, M. Paril, W. Mig, C. Yang, J. Serla, J. Bana, A. Radrish, O. Fregoli, G. Cormini, M. Haghen, and J. Swan, Vongili vanni madocker maralantu spara. Pulicipal Region (2014) and such the maralantus, "Cell-You Maril 1998, 1998, 2014. T. Suhn, "Lankbourgel pulsaturation (2014) per sexti intervoid transitation madelsis.
	Y. Kiado, "sialwood regularization: Improving a social network translation models that mail-jule subword conditions." In Proceedings of the field stonad bleeding of the Association for Companishmed Linguistics, ACL 2018, Meditorum, Association, July 13–20, 2018, Volume 1: Lang Papers, 1: Gameryin and V. Miguo, Edis. Association for Companishmed Linguistics, ALL, pp. 66–72.
ed.	T. Koole and J. Richardson. "Sentenception: A simple and language independent subsect infentione and destinative for neural teat processing: In Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing, EBNLP 2019 Systems Devolutation Co., Natural Language Transactions, 2018. T. Blance and W. Lin, 105. A concision for Comparational Linguistics, 2018.
71	
×	7. Nidderes, G. Raptes, Y. Bernol, T. Tang, S. Darsde, and L. Stoberves: "Drop double-docean Where Ragger models and more disal heart." In Six November Ordering double-docean Where Ragger models and more disal heart. Task Six November Ordering and Conference (2000). 2000. Option Conference (2000). 2000. Option Conference (2000). 2000. Option Conference (2000). 2000. Option Conference (2000). 2000.
	processing on sociones of digitation and distribution," artis propriet or 201/2008 (2004, 2003.
х	Z. Shen, T. Tan, L. Mo, W. Nebwonger, J. Hestress, N. Yasolfeva, D. Saboleva, and E. Xing, "Himpolana-do Understanding data combinations for lim training " **-
01	Z. Wen, T. Fra, L. Mak, W. Meisenspert, Hentzens, W. Toulinea, T. Maholesa, and E. Taip, "This planes and Understanding data condistantion for 1th mixtures," arXiv: preprint arXiv:2309.0185, 10318, 2023. S. M. Xia, S. Sarriera, T. Mai, and F. Ling, "Usa and section for 1 thinguage models via importance researables," arXiv:preprint arXiv:2202.0108, 2023. S. Mang, M. Phone, Q. Ohene, J. Dhon, S. Cody, Vinney, M. Zhong, S. Guin, Y. Chen, and T. Gui, "Taisweed to scillers large-pools precriatings Exhaustical solutes telestron for lessague parked: "Voll preprint arXiv:2307.01818, 2023.

1	 Departe, G. Erszerveki, A. Launder, Q. N. Planc, R. Bernard, S. Fotzelle, M. Errenti, G. Beldek, and E. Temider. "The LAMPAGE draws: When geneticists requiring a broad discourse centers," in ACL (I). The Associations for Computer Linguistics, 2006. M. Echen, N. Belderts, K. Bhido, J. Wang, C. Elwag, J. Sola, and C. Br. "SKIRET a
	M. F. Chen, N. Roberts, K. Bhalia, J. Wang, C. Dhang, T. Sala, and C. Bé, "Riblist" a date-differe skiller fromework for understanding and training language smodels." arXiv preprint cells2003-14469, 2022. B. Raszler, J. Goltring, F. Gleedel, S. Soeda, L. Gu, X. E. Tan, Y. Adi, J. Lia, T. Remer, J. Ropin, A. Kodhevnilov, L. Defanor, J. Bitton, M. Bhatz, C. Canton-Grever.
	A Existing L. Gering C. Gelordist, S. Golde, L. Gar, X. E. Tan, Y. A. K., I. Liu, T. Sermer, J. Ropin, A. Konbernshov, L. Drinner, J. Birone, A. Bahar, C. Cartino-Ferrer, A. Constanter, W. Sang, A. Gelorosci, C. Quer, C. Advar L. Tilorosci, L. Morris, N. Usasar, T. Gelorosci, and G. Syrmanier, "Cord Sarras Cycle Decadation models for codes," Cod. Sci., 46, 2023, L. 1922, A. Server, "Cord Sarras Cycle Decadation models for codes," Cod. Sci., 46, 2023, L. 1922, L. Server, and J. Wessan, "Currindown Searning," in K. Kall., 2006, pp. 41–48.
1	2009, pp. 41–46. C. Xu, C. Rosser, L. Del Cerru, S. Mahajan, J. McAday, J. Neville, A. H. Avadalish, and S. Ran, "Contrastive post-testising large language models on data controllars," arXiv preprint arXiv:2316.02203, 2023.
	S. Trochowski, K. Stockerwecki, M. Prock, Y. Iriu, H. Michalewski, and P. Milos, "Focused transformer: Contractive training for content scaling," Oakl, vol. abs/2201.01070, 2023.
	Z. Azerbayev, H. Schoelkopf, K. Paster, M. D. Santos, S. McMore, A. Q. Jiang, J. Deng, S. Bifermars, ond S. Welleck, "Literatus: An open language model for mathematics," order preprint artile-2330,18637, 2023.
	S. Chex, S. Wong, L. Chen, and Y. Tisar, "Extending contest window of large language
	madels via podsonal lanepolation." (DAR, rol. July 2004, 15695; 2002. G. Werned, M.A., Larbara, R., Corasser, V. Daudburg, E. Cominio, A., Feille, and E. Gerse, "Crost: Extracting high quality manolingual distancts from web cased data." in Precedulary of the TheQNL Language Resources and Daubacket Conference, 2003, pp. 400–400.
	A. Justin, E. Grave, P. Bujanowski, and T. Milkolov, "Rag of tricks for efficient text
	CHARMONDON, "IN DOM., 2011, Sp. 427—441. B. Chen, F. Bang, Z. M. H. Derne, X. Brox, C. Ge, D. Gao, Y. Xio, Z. Lin, J. Gior et al., "Share-juber: A mercutay data processing systems for large language models," arXiv- preprint arXiv:2300.03833, 2023. B. Zhang, B. Ghorbauxi, A. Ruyan, Y. Cheng, X. Garván, J. Shen, and O. Firat,
	 Zhang, F. Ghorbaci, A. Buyao, Y. Cheng, X. Gursia, J. Shea, and O. Firat, "Examining exiling and transfer of language model architecture for randollar translation," in International Conference on Machine Learning, 2016, 2022, 27-29 July 2022, Bultimore, Maryland, CSA, 2022, pp. 38 176-38 192.
	John, John S. W. Weng, F. Wei, X. Lu, Y. Weng, J. Goo, M. Zhou, and H. Hon, "Taible language model pre-indicate for material language moderateading ord generalized for material language moderateading ord generalized." In Advances in Principle (Inferior Increasing September 2), 22-22, 2
	Cit. Acids. Col. Bed. Col. Sec. (1975). M. Pageleili, [Selfranz, B. Bernac, B. Allerbac, Col. Sec. (1975). M. Pageleili, [Selfranz, B. Bernac, B. A. Bichman, T. Col. S. Royanci, G. van den Erienteich, E. Barberfeck, T. Herridgar, M. J. Specca, A. Cantrer, C. Bern. E. Erheridgar, M. J. Solden, L. Sitze, C. H. Herridgar, M. J. Solden, L. Sitze, S. Sitze, Col. Sec. (1975). M. S. Sitze, Col. S. Sitze, Col. S. Sitze, Col. M. S. Sitze, Col. S. M. S. Sitze, Col. M. S. Sitze, Col. S. M. Sitze, Col. S. Sitze, Col. Sitz
	A. O., K. Good, and C. Do, "Efficiently modeling long sequences with structural examples of its 30-level homomorphism conference on Learning hypersensistics, ICLN 2022, Virtual Four, and part 15-20, 2022, Open and year, and year for the part 15-20, part
	https://doi.org/10.48558/a375/s.2286.13947 T. Dao, D. Fru, K. Saah, A. W. Thomas, A. Budra, and C. St. 'Hungry hungry hippor Departs language modellar with state states modellar follows:
	This, O. E. Fu, K. K. Sana, A. W. Thamas, A. Radra, and C. Del, "Hanginy hanginy hippon Thomate language modeling with man supon models," Code, vol. admirate Journal Journal of Code, vol. admirate Journal of Code, Service, N. C. Dergies, S. Errens, and C. Jab. "Spens blerrarings Towards larger convolutional language models," in NSM, 2022.
	C. 96, "Dywna hierarchy: Towards lorger curvolutional longuage models," in ICRN, 2003. I Freg. E. Alcalde, Q. Arrhong, A. Alhalde, S. Accadiaho, H. Can, N. Cheng, M. Chan, M. Gollis, K. H. G. Y. S. Hu, H. Hou, P. Kristelle, J. Hoore, J. Sweg, B. Sogram, H. Lian, K. C. H. Marsel, H. Woo, J. S. Way, T. Wood, P. Ware, P. Way, T. Swell S. Wershell, P. Phartz. K. J. Marsel, H. Woo, J. S. Salv, X. Towe, B. Wood, S. Well S. Wershell, P. Phartz.
	R. Ferg, E. Mickille, Q. Aurhory, A. Mholek, S. Arcsellscho, R. Cas, X. Chway, M. Chris, M. Gorlis, K. R. G. Y., S. Hin, H. Hee, P. Exclerick, J. Soczy, J. Soczy, G. Socytes, M. Sack, S. Liblant, T. Soczy, A. Soczy, G. Wang, S.
	Y. Can, L. Dong, S. Haneg, A. Mu, Y. Xia, J. Xuo, J. Wang, and F. Wei, "Potentine networks: A successor is a standardness for large language models," or the propriet or 201/2007/88221, 2023. J. T. Seeth, A. Weinringera, and S. Linderman, "Simphiled state space layers for preparence modeling," in IEEE, 2023.
	A. Orvieta, S. L. Smith, A. Gu, A. Fernando, C. Gulcebre, R. Passaura, and S. De,
	**Security of recurrent review in institute for any any appropriate," in ICAL, 2022. **M. Ding R. 2 Bing M. Dings M. 2024, G. 2024. **M. Ding R. 2 Bing M. Dings M. 2024. **M. Ding M. 2024. **M. Dings M. 2024. **M.
	 Ju. S. Lorine, A. Senarich, "Root reveal square layer correlationies," in Advance in Neural Information Processing Systems 22: Januari Conference on Neural Information Processing Systems 2013, Neural To 2019, December 8-14, 2013. Vancouser, SC, Consol. 2015, pp. 12300-12371.
	V. Nair and G. E. Hinton, "Recified linear units improve restricted boltzmann markings," in Proceedings of the 77th international conference on partition between
	GUNG-18, 318. pp. 887-414. A Wong, A Siagh, J. Malaud, F. HE, O. Levy, and S. E. Bowenas, "GEEE: A multi-rase benchmark and analysis juditions for reasonal language understanding," in Proceedings of the Brotischupt, Analysis and European's Neural Networks (Neural Neural Neu
	2 Stanachandous, S. Zoph, and Q. V. Le, "Searching for activation functions," arXiv preprint arXiv:1718.01942, 2017.
	N. Shanee; "GLI! variants improve transformer," vol. abs/1902.05202, 2000. J. Su, Y. Lu, S. Piez, E. Wex, and Y. Liu, "Robertoer: Enhanced transformer with retar position embedding," vol. abs/1204.09044, 2013.
	O. Press, N. A. Smith, and M. Lewis, "Train short, two long: Attention with linear blasses enables layur length enrapolation," in The Tenth International Conference on
	S. Delli and C. Sengely, "Beich normalization: Accelerating deep network resisting by relating interest covariant Mell." In Proceedings of the 20th International Conference on Markine Learning, ACM, 2015. Like, Priesce, 6-21 July, 2015, see JMLR. Workship and Conference Proceedings, 18. Rock and J. Bell. Dis., vol. 317, IEEE/Conf., 2015. pp. 448–458. [coline]. Available: 1512.11 / 2016.056. doi: 10.1016/j.col.1016.11.0116.
	 Nameg, H. M. Chang, Y. Toy, L. Fodar, T. Férry, M. Masera, K. Malkor, N. Fields, S. Shaner, E. Lee, Y. Zhee, W. Li, S. Ding, J. Marras, A. Roberts, and C. Sarlifs, "Bo transformer mediations turned reconstructive and applications?" in Proceedings (2004). 2021. Conference on Disphosid Medinids in National Companya Processings (2004). 2021. O'rest Overs T. Pantis Cons., Dismittion Populable, 7-31 Newmber, 2021, 2021. pp. 5758–5773.
	R. Siong, Y. Yang, D. He, K. Zheng, S. Zheng, C. Xing, H. Zhang, Y. Lun, L. Wang, and T. Liu, "On layer normalization in the transformer architecture," in ACML, 2020.
	A. Davrold and M. Ackl. "Adaptive input representations for neural language underlang." In 7th International Conference on Learning Agreementations. ICLE 2020. After Orlands. ACL (AMP & S. A. 2020. Conference and 2020. L. Liu, X. Liu, S. Coo, W. Chen, and J. Han, "Understanding the Efficienty straining associations: in Passacialization of the Agricultural International Security
	2020. Assections for ComputerVariational Linguistics, 2020, pp. 1475–1476. B. Hendryky and K. Cimput, "Securities error linear scale igebus," arXiv properts er202x1500x56415, 2016. Y. N. Unsphalin, K. Fan, M. Ankl, and D. Grangler, "Language modeling with general convolutional networks," in Proceedings of the 34th Environmentalized Conference on Machine Learning, ICML 2027, figure, NSVE, Assertable, 6-11 August 2017, 2007, pp. 203–2041.
	Matchin Learning (SML 2017, Judeny, NSW, Asserskin, 6-11 August 2017, 2017, pp. 403-441. T.L. Sens, T. Wang, B. Henleys, S. Behman, M. S. Biet, S. Bekerman, H. Ehnhar, S. Navereighnelf, I. Phang, O. Trenc, Endful, V. Sarik, S. Shen, L. Stareika, S. Taz, X. Neg, L. Lausse, and E. Lebiggs, "While language models to last (by Navier Cere million CPI Interior I. Ending of the Asserskin of the Computational Linguistics, IEEE Conference on Computational Linguistics, and Ending Vision (See Section 1).
	JAMEP 2022, Ala Saule, Union Ande Disiners, Dermindry 7-11, 7022, 2022, pp. 705-702. 2. Sauce, Unaborek, and A. Fazzwani, "Self-attention with relative prosition representations," in Proceedings of the 2020 Conference of the New Arch American Chapter of the American Ch
	Lower Taponia, St. A., wolded S. J., 200 S., 1961 L. (10). Higher Field Profession and Composition of Composit
	Mirror, Eds. Association for Computational Linguistics, 2018, pp. 2078-2588. Onlined. Available: https://doi.org/128.18855/v1/p13-1285 Ziran, Z. Dai, Y. Yano, I. Carbonell, E. B. Salakhinninon, and O. V. Le. "Sirvet.
	 Yang, Z. Dai, Y. Yang, J. Carbonell, E. R. Salakhuzikov, and Q. V. Le, "More descendibed surveysessive precraining the language understanding," Advances in neural information processing systems, vol. 12, 2016. Ferm. I. Dosmelle, H. Ern. and E. Shicoole, "Erro: Efficient content window
	 Freg. J., Oosseddis, H., Turs, and E. Shippole, "Fairer Cillistens content visualizes entension of Farge Impauge models," CoSP, vol. shoil, 2009.0977, 2023. Sixu, L., Dong, H. Petras, S. Ma, S. Haung, A., Beithalau, V. Chandhary, K. Song, and E. Moi, "A long-in-curreplantal or reasoformer," CoSP, vol. shoilur, 11654, 2022. Gillisol, Annahim Extrapt. 1781. doi: print. 865509.2022. 2023. 18554.
	(Daline), Auditable 1975pc; // 6st. cog/18. 66556/sartiv. 2212. 16656 H. Peng, N. Pappan, D. Vagnama, B. Schwartt, N. A. Smith, and L. Rong, "Bandom feature attention," in 2th International Conference on Learning Expressionabless, NCE-2012, Vennal Cent., Austral. 2th 27, 2021.
	NCE 2002. Virtual Event, Astrin, May 5-7, 2021. M. Zahren, G. Gazugenerie, G. Gazier, S. Challeri, S. Ottafoli, C. Alberti, S. Ottafoli, P. Wann, A. Randa, C. Wang, L. Wan, and Anton, "High lind: Transformers for longer supersecs," in Advances in Neward Information Processing Systems 22, Assual Conference on Hencel Information Processing Systems 2021, New 195-2021, December 6-12, 2003, Period. 2020. 1. 2021, Sept. 2021.
	 Child, S. Gray, A. Badford, and I. Seblorvet, "Generating long sequences with sparse transformers," Collin., vol. abs/1904.10908, 2019.
	N. Shaweer, That transformer decodings thes retriebed it all you need, "GORN or behild 1821G-2021", Noticel, Analisk better/Large vocapitativitii 1821G-2021, Alexika, J. Leo Therp, M. do Jong, Y. Zembyansky, E. Lebrin, and K. Sanghai, "Gopt Training generalized or acht-pury transformer models from midd-bead checkpaints," deliv purples of 2021, 2025, 2025.
	Tenining generalized multi-query introllerature models from multi-based checkpoints," article propriet arXiv:2305.13345, 2023. T. Baso, D. E. Fu, S. Erman, A. Badon, and C. So, "Enchartercine: four and memory- efficient concentration with 10-assurement," in NeurXPS, 2022.
	T. Dao, "Flashatturation-2: Faster attention with better parallelism and work partitioning," exity preprint arXiv:2307.0601, 2023. "Vilen Davs, fast, and thesp lits serving with page-intention." [Online]. available:
	"vlim: tary, first, and cheap lim serving with page lattention." (Online). Available:
	"vlinc Tany, for, and theop line serving with pagedates time." Evalued, Availables https://wllhe.dd/ https://wllhe.dd/ https://www.common.com/ https://www.common.com/ language models," in 27th Assertational Conference on Ameliopent User Interpreta- tion.
	"After two force and shoop lits serving with page-detection." (online), houldedenties (170 km s.
	"Note to the first end meight severing with page-foresters." Tritled absolute Intelligence (1998) and (1998)
	"Other to the cost of english resignitions are Trible in Management and Communications an
	"More Land and deep literating strong personals Tradition Assessing Structure and Stru
	"One has the cost of respit to recipitate places to "Desta Assistant Costa Ass
	"More Land and deep literating strong personals "Detail Analysis and March School Conference on Conf
	The fact is not of requirements or front a shadow of the control o
	"More Land and Americal State
	"More than out of med the more in particular to the medium of the medium
	"More than our of mergin township shippy processors." Protein Assistant. "Marked Alloward, Andread Stephen, "Available and proving skill-bell some asked." I Marked Alloward, Andread Stephen Andread Stephen and Proceedings and Commission and Comm
	"More than and more through the purposes the Testing Assistant Control and Section (1997) and the Testing Assistant Control and Section (1
	The Control and Programs and Control and C
	"Month of the control
	Months of the control
	"Month of the control
	The Control of the Co

isszi	machine mealation, "CoSS, vol. abs/100.08144, 2016. II. Forden, C. Xlong, and E. Socher, "A deep reinforced model for abstractive summarization," in ICLE (Protex). OpenSeries.exet, 2008.
paaj	A. R. Yiloyakumar, M. Cogresell, R. B. Selvamja, Q. Sun, S. Lee, B. J. Crandall, and B. Sunn, "Diverse bears search: Decading diverse salutions from neural sequence models," CoRP, vol. abs/1600.0N24, 2016.
D348 D358	A. Tan, M. Levils, and S. V. Drughle, "Uterarchical recurs livery generation," in ACL (3). Association for Compositional Linguistics, 2038, pp. 898–898. 3. Hevint, C. D. Manning, and P. Ling, "Transaction sampling as language model demonship," in ISBAY, "O'sublight, Association for Compositional Linguistics, 2021, pp. 344–3427.
D061	Y. Su, T. Lan, T. Wang, B. Vogatama, L. Kong, and N. Osilier, "A contrastive framework for neural test generation," in Nov1PS 2022.
parej	C. Meister, T. Pimestel, G. Wiber, and R. Catterell, "Locally typical sampling," Trans. Assoc. Commun. Manuscip., 2013.
Done Done	X. L. Li, A. Bickzener, B. Fried, P. Liang, J. Rizene, T. Hashimeto, L. Zerdemoper, and M. Levin, "Community decoding: Open-ended to a generation on optimization," in ACL Cit. Association for Computational Linguistics, 2023, pp. 12396-12312. Y. Chause, Y. Xie, B. Lian, Y. Xie, L. L. Gloss, and P. Mr. "Polic Developing by
baol	Y. Chanang, Y. Xie, H. Liux, Y. Kim, J. H. Gloric, and P. He. Theils: Develoding by contracting by your in province Execution by in larger language models; "Codit," vol. abutation 85861, 2023. L. Chen, "Obsecting bandwing effects in ggr in Servence," 2023. (Online). Available: https://lan.put.chine/bildge/2023/05/13/transformers-batchings/
[121]	<u>https://le.gon.ck/revoltop/2833/66/130/ccmaformer-batching/</u> <u>https://le.gon.ck/revoltop/2833/66/130/ccmaformer-batching/</u> <u>Chang, I. Zheng, B. Tours, Z. Li, M. Eyskhins, B. Chen, F. Liang, C. Di, L. Bolota, and C. Dhang, "Tizugen Bigh-Investig plan generative deference of kings language madels with a single of PLV in Extra. ser Proceedings of Batchine Learning Benearth, vol. 2021. PMLR, 2021, pp. 1194–1194.</u>
bza	 PMLE, SEZI, pp. 11 091-31 116. T. Dao, D. Hodins, F. Mana, and G. Sicor, "Flash-decoding for long-content inference," https://ccfm.stanford.edu/2022/10/12/flash-decoding.html, 2023.
pan	The state of the
D24	C. Chen, S. Bergeaud, G. Irving, J. Lauplau, L. Sifre, and J. Jumper, "Acotoming large language model decoding with specularity sampling," GoR2, vol. abs(2302.81316, 2823.
pan	 Mao, G. Oliere, Z. Zhang, X. Cheng, Z. Wang, R. Y. T. Wong, Z. Chen, D. Arfren, B. Abbanakas, and Z. Jia, "Speciative Accelerating generative LLM serving with speculative inference and taken tree verification," CoRP, vol. abs/2301.09381, 2023.
pasj	 Spector and C. Ré, "Accelerating LLM inference with staged speculative depoting." OAER and abs/2786 OECU, 2023.
pass	L. D. Corro. A. D. Gierna, S. Agorwal, B. Yu, A. H. Anvaldala, and S. Shikhnipe. "Skiphenode: Assemptions with obesiding with bindring and cushing for efficient IAMA Enterone: Code, Vol. 4 in 2007/2008, 2005. B. R. Kingma and J. Ba, "Adure: A method for mochanic optimization," In 3rd Asternational Conference on Learning Agorestrations, XLE 2015, See Elogio, CA SSE, May 76, 2015. Conference 2016. Proceedings, E. Regin and T. Leotas, Eds. SSE, May 76, 2015. Conference 2016. 2016.
11216	B. F. Eugera and J. Ba, "Adure A method for mechanic optimization," in 3-rd Americanical Conference on Learning Agreement Sons, 1412-2015, See Engo, CA, USA, May 7-0, 2015, Conference Proceedings, Y. Bergin and Y. LinCun, Edu., 2015. 3.15. 3.16. 3.16. 3.16. 3.16. 3.16. 3.16. 3.16. 3.16. 3.17. 3.16. 3.17. 4.17.
paol	ACALITATION, 2017. S. Sabaser and M. Seere, "Adulturar: Adaptive learning rates with subhaser memory coat," in Proceedings of the 25th International Conference on Machine Learning, (2016) 2015. Seeched communication, Another, Seeches, pp. 19-15, 2005. See Proceedings of Machine Learning Biometers, J. G. Dy and A. Erzene, Edn., vol. 60. PIELL, 2005, pp. 6003–6104.
[101]	vel. 00: 79418, 2005, pp. 4693–4611. Y. Hissage Y. Cheng, A. Bippa, D. Fizza, D. Chen, M. X. Chen, B. Lee, J. Ngian, Q. V. Le, Y. Vu, and Z. Lee, "Oppose Efficient training of giant means an encodes using pipilities parallelizar," in Advances to Montal Optimisation Proceeding Systems 22: Association for the Control of
15321	Decomber 6-14, 2019, Vancouver, RC, Canada, H. M., Wallach, H. Larschelle, A. Beygelzimer, F. d'Alché-Bur, E. B. Fox, and R. Germer, Eds., 2010, pp. 183–112. A. Harlag, D. Nassyonan, A. Phanishisyer, V. Seshadri, N. B. Decouva, G. R. Ganger,
past	A. Halley, D. Ningstein, A. Ninchkiner, N. Sochell, N. E. Riverser, O. S. Gegen, and F. S. Libbon, "Explorate Tax and delicits peptine prosible CON Ninches per College and Section 1997. Special Sect
[134]	 Whatel Event / Atlanta, Georgia; USA, Nevember S-19, 2020; C. Caicchi, Qualters, and W. T. Kramer, Eds. IEEE/ACM, 2020; p. 20. Misiberisian, S. Narang, J. Alben, G. E. Diamos, E. Eben, D. Garrio, B. Ginsburg,
DES	P. Misilievirian, S. Morrang, S. Allens, G. E. Bahroon, E. Eben, D. Carrisia, B. Glossbang, M. Hausten, G. Bachaluro, G. Vedazonka, and H. Wu, "Missed precision tracking," colory, vol. advantability (2018) 2019. Q. Naz, S. Li, C. Gorg, and Y. Yen, "An efficient 2d numbed for tracking super-large deep learning models," Colory, vol. adv. 2010;60(2014), 2021.
post	deep learning models," C469, vol. abs2104.05343, 2021. 3. Wang, O. Xu. Z. Elin, and X. Tou, "Enserted Finolities the treason possibilities of excision for the control of
D371	Processing ICPP 2022, Bendeue, France, 29 August 2022 - 1 September 2022 - ACM, 2022. 2022. 2. Blax, Q. Xu, D. Weng, and X. You, "Modelshing parallelism in chrisbased training for long-resemb networks," CARL vol. abs(216):14409, 2022.
[139]	S. Li, E. San, C. Bacumoni, Y. Li, and Y. You, "Sequence parallelism: Long sequence training from control perspection," arXiv e-priors, on, arXiv:1201. 2015.
D29[FairScale authon, "Stirmale: A general purpose medular pytocch library for high performance and large scale training," https://github.com/facebooknesseerch/fairscale, 2021.
(190)	 Zheng, Z. Li, H. Zhang, Y. Zhuang, Z. Chen, Y. Huang, T. Wang, Y. Xu, D. Zhun, L. H. Xing et al., "Mpo: Automoting inter-and Extra-Operator) parallelism for distributed deep learning," in 1003/, 2012, pp. 508–578.
(541) (542)	T. Chen, B. Xu, C. Zhang, and C. Guentria, "Training deep nets with subdisease memory cost," CoSS2, vol. abs/190400714, 2016. S. Lou, E. Zhang, and M. Tin, "In prompt 41 you need no. A comprehensive and broader view of instruction learning," CoSS2, vol. abs/2300.16073, 2023.
pol	broader view of instruction learning." CoSE, vol. abs/2001.16173, 2023. X. Liu, P. He, W. Chen, and J. Gao, "Multi-task deep neural networks for natural language understanding," in ACE, (2). Association for Computational Linguistics, 2015, pp. 4407–4466.
[544]	2010, pp. 4407–4416. A. Aghsleroyer, A. Ougia, A. Shrhvasiova, S. Chen, L. Zeffernoyer, and S. Gupia, "Magnet Monitor and Luck representations with prediscreazing," in ZMNLP CLA. Association for Computational Linguistics, 2021, pp. 5799–5813.
p49	 Association for Competitional Linguistics, 2021, pp. 5799–5813. Longgen, L. Hen, Y. Yu, A. Webson, H. W. Chang, Y. Tay, D. Zhou, Q. V. Le, B. Zuph, Wei, and A. Abelers, "The fine collection: Designing data and methods for effective instruction training," <i>Golds</i>, vol. abs/2201.1068, 2022.
ised	Interfection Busings** Code, You Employations, 2012. C. N.R. U. Shen, S. Zheng, X. Gong, P. Elwas, J. Feng, C. Tam, and D. Jiang, "Witnessfalms: Employmenting large language mandels to follow complete instructions," Collet, vol. 3042004.12544. 2023. 3721-884. Onlikables. https://doi.org/10.48558/39259.2988.122246
D47	oncount lices, Ann. System, American https://doi.org/10.4489/car/s/3/29-2484-12264 Z. Sar, Y. Sher, Q. Zhou, H. Zhang, Z. Chen, D. Cur, Y. Yang, and C. Gan, "Principle- driven self-alignment all language models from search with minimal human supermises," arXiv preprint arXiv:2205.03947, 2023.
[140]	X. Li, P. Yu, C. Zhou, T. Schick, L. Zettlemoyer, O. Levy, J. Wester, and M. Lewis, "Refi- alignment with instruction hadronoxistion," CoRR, vol. abs/2308.86239, 2023.
[140] [140]	C. Zhou, P. Liu, P. Xu, S. Iyer, J. Sun, Y. Mao, X. Mu, A. Efrat, P. Yu, L. Yu et al., "Litus: Loss is more for alignment," arXiv preprint arXiv:2205.11206, 2823.
DS11	 Chen, S. Li, J. Sies, H. Wang, K. Gorannina, N. Sindov, Z. Tang, V. Schrönsson, T. Zhou, H. Houng, and H. Jin. Valpaginosi: Training A better alpaca with fewer data." CoMA. vol. doi:1031.08031.3033. N. McDarries, A. Hillin, G. Liyenbar, S. Amarwol, H. Palaneti, and A. H. Awadollab.
issui	S. Matherjee, A. Hitter, G. Ipvoltact, S. Agrook, II. Polingi, and A. H. Avvidshila. "Once: Programmine-learning from complex explanation reason of GPT-4" CoRR, vol. abs/1206-12007, 2023. Totals Claim Team. "Value chief: An open-neuron killingual challets." 11(1):271-2710.
paq	Fittes J. Cod Ubdo, com FIRC. COSAL Fullanes-Charl., 2023. Y. Whong, H. Kriston, R. Davigi, J. Biwang, H. Ebang, E. R. Chandel, R. Weidden, E. Blaccklillan, N. A. Smich, T. Bebugy, and H. Haghelinni, "River for can cannot go? englaring from state of instruction starting on open resources," CoSAL vol., abs1205-64753, 2023.
1994	S. Feng, C. Li, F. He, M. Galley, and J. Gao, "Instruction tuning with GFT-4," CoRL vol.
[280] [280]	M. M. Feell, M. Kiner, S. P. Feere, and A. Fitzglishon, "Efficient sequence packing without cross-custamination: Acrolessing large language models without impacting performance," arXiv preprint arXiv:2307.05827, 2021.
ps7	S. Singhal, S. Adrid, T. Yu, S. Mohderl, J. Wei, H. W. Chang, S. Scoles, A. Tarrenet, B. Cole-Cereix, S. While et al., "Large language models encode chirole chiro-vierings," arXiv preprint arXiv:2212.11138, 2022. 1. Shous S. Mo. Mar. 2021. "Zhou C. Lin and J. Blen. "Secont models in a second chirole and chiral second chiroletes and chiral second chi
hani	3.72 marg, R. Xio, Y. Huu, W. X. Zhio, L. Liu, and J. Wen, "Securimendation as internation followings: A single language model on proceed recommendation approach". Only Acad Society 2014, 2023. 3. Weng, C. Liu, N. Xi, Z. Qiang, S. Zhou, S. Qiu, and T. Liu, "Harden: Tracing James model with Chance models in Securings," arXiv preprint arXiv:2204.00035, 2023.
pan	model with chinese medical knowledge," orZiv preprint arXiv:2304.00075, 2023. Q. Haang, M. Tou, Z. Au, G. Zhang, C. Jiang, Z. Chen, Z. Wu, and Y. Feng, "Lawyer liams rechnical report," arXiv preprint arXiv:2005.15062, 2023.
[580]	 Wu, O. Irray, S. Lu, V. Disbravobid, M. Dredze, S. Gehrmann, P. Kombadur, D. Rosenberg, and G. Mana, "Bloombergggi: A large language model for Brance," arXiv preprint arXiv:2303.17564, 2023.
Desi	T. Liu and R. F. E. Lee, "Once The-mond form comperience goet-on arithmetic make," with proposite ordination 2001, 2021. T. Sen. X. Zhong, Z. He, D. Li, Q. Cheng, H. Ner, X. Liu, Y. Zhon, Q. Teng, X. Zhon, K. Chen, Y. Zhon, X. Chen, Y. Zhon, X. Chen, Y. Zhon, X.
paq	A. Hanning, and A. (etc. "record interior convertaments auguste several trees synthetic data," IS, C. Tenni, T. Zhang, E. Gulinijani, J. Ru, C. Guestria, F. Liang, and T. R. Bankhouse, "Absorptions A signal action framework for methods that leaves from
tract	Y. Osibole, X. Li, R. Taeri, T. Zhang, I. Osinqiani, J. Ba, C. Gaestria, P. Liang, and S. R. Silakhimora, "Alporations: A nimulation framework for methods that learn thoral human foreigness," (2004), vol. 340(2563-4497; 2012. [Cellera], Available: https://doi.org/10/4-4550/arxiv. 3. Hernicks, C. Demor, S. Ramara, A. Zhen, M. Microle, B. Sonz, and E. Seinbardt.
1960	B. Hernfrydo, C. Burm, S. Beserl, A. Zou, N. Morefou, D. Seng, and J. Steinhardt. "Measuring resolve multilook language understanding," in XZM. Open Revieward. 2021. M. Surma, N. Stales, N. Schleit, S. Gebrmann, Y. Tao, H. W. Chana, A. Chevelhers.
ped	M. Surgan, N. Sralee, N. Schleit, S. Gehemann, Y. Tay, R. W. Chang, A. Chowdhery, Q. V. Lu, E. H. Chi, D. Zhou, and J. Wei, "Challenging high-endr units and whether chain of thought can solve them," CoSR, vol. abs/2210.00361, 2022. Z. Streine, T. Everlt, L. Weldager, L. Geheid, V. Miballo, and G. Frieta, "Vilgament of
(1965) (1967)	Z. Sersion, T. Everick, L. Weichtager, I. Gabriel, V. Mikotille, and G. Irving, Volgament of Impaging organics Codes, vol. abs/2002.14593, 2021. D. M. Zhigher, S. Gristman, J. Pur, E. Revoux, A. Andrinel, D. Attendel, R. E. Christiane, and G. Irving, "Fine-to-ring language models from human professors or Calif., vol abs/1000.05009, 2019.
tsest	abe/1808.08003, 2019. A. Aokolf, T. Sai, A. Chen, D. Drain, B. Gonguli, T. Blenighan, A. Joren, N. Joseph, B. Marze, N. Dauforran, N. Elsberg, Z. Heibleh Dedda, D. Wernarden, J. Kernáva
	A. Ashedi, T. Bali, A. Chen, D. Rwin, R. Gengeld, T. Benigher, A. Jorea, N. Jorea, N. Borgh, S. Maza, N. Dusforma, N. Elbago, Z. Brithold Debds, D. Bernardon, J. Bernardon, S. Monson, C. Olson, D. Marodell, T. B. Grover, S. Callo, S. McCandible, C. Colob, and J. Sojdov, Yu. general language continues as a lank-castory for alignment, "COST, Vol. abstract Society, 2021.
Deal	
	 NYKEE, S. HARRING, H. F. SONG, E. CAL, E. KRING, F. ARRIMSTON, A. GRIBON, N. SECLOSON, ENG. G. Erwing, "Send transming language models with language models," in Proceedings of the 2022 Conference on Emphrical Methods in Natural Language Processing, EMNLP. 2022, Adm District Crassed Asph Processor. December 27 11, 2022 Services.
p.00g	L. Nerez, S. Haung, H. F. Song, T. Cai, R. Sing, J. Ashaniden, A. Glasso, N. McAlesson, and G. Irving, "Suid starting has gauge resolut with language resolution," in Proceedings of the 2022 Conference on Empirical Methods in Startest Language Personance, IEEE/PL 2022, New Under, United Associations, December 21st, 2022, T. Goldburg, S. Kannerson, endry Charg, Eds. Association for Computational Linguistics, 2022, pp. 5103–5446. J. Mariela, M. Tiroboux, Y. Makulik, J. Ashanidon, H. E. Song, M. Chathwise, M. Glisson,
12311 12301	 Menick, M. Trebacz, V. Mikulik, J. Aslanides, H. E. Song, M. Chadwick, M. Glaese, S. Yeang, L. Campbell-Gillingham, G. Irving, and N. McAleese, "Exching language
	 Menick, M. Trebacz, V. Mikulik, J. Aslanides, H. E. Song, M. Chadwick, M. Glaese, S. Yeang, L. Campbell-Gillingham, G. Irving, and N. McAleese, "Exching language
	 Menick, M. Trebacz, V. Mikulik, J. Aslanides, H. E. Song, M. Chadwick, M. Glaese, S. Yeang, L. Campbell-Gillingham, G. Irving, and N. McAleese, "Exching language
	J Mericki, M. Tribester, T. Makalik, J. Ankraik, R. E. Korg, B. Charlecki, M. Elwer, S. Travag, C. Congolic Caligraphic on Corong, and J. Marson, "Technique Institute of Security and Secu
	Journal, M. Stroker, V. Mickell, Anderder, H. Song, H. Charlech, H. Cheng, A. Charlech, H. Cheng, C. Charlech, H. Cheng, C. Charlech, A. Charlech, C. Cheng, A. Charlech, C. Charlech, A. Charlech, C.
	James M. Strokes, V. Michall, Anderson, S. Vang, M. Onderson, M. Germann, S. Lander, M. Germann, S. Lander, M. Germann, S. Lander, S
[222] [223]	Johannes I. St. Holman, V. Michael, J. Anderson, R. Song, H. Olambert, M. Globert, M. Golden, M. Globert, M. Golden, M. Globert, M. Golden, M. Golden, M. Golden, M. Sand, A. Jaded, J. Berre, J. Jens, A. Dens, G. Olde, T. W. S. St. St. St. St. St. St. St. St. St.
[222] [223]	Johannes M. Strobers, V. Michael, J. Anderson, R. Song, H. Ostades, M. Globard, S. Gardiner, M. Strobers, M. Gardiner, S. Song, H. Ostades, M. Globard, S. Gardiner, S. Song, A. A. Admid, J. Strobers, J. John, A. Done, S. Osle, S. Gardiner, S. Song, A. A. Admid, J. Strobers, J. John, A. Done, S. Osle, S. Gardiner, S. Gardiner, S. Song, J. Gardiner, S. Song, J. Gardiner, S. Song, S. S. Gardiner, S. Gardiner, S. Song, J. Gardiner, S. Song, S. S. Song, S. Gardiner, S. Gardiner, S. Gardiner, S. Song, S. S. Song, S. S. Gardiner, S. Gardiner, S. Song, J. Song, S. S. Song, S. S. Gardiner, S. Gardiner, S. Song, S. S. Song, S. S. Gardiner, S. Gardiner, S. Song, S. S. Song, S. S. Gardiner, S. Gardiner, S. Song, S. S. Song, S
15711 15721 15731 15741 15741	J. Marcha S. H. Storker, Market, J. Market, A. S. Vang, M. Charles, M. Mohan, M. Market, M. Market, M.
13-00 13-20 13-20 13-20 13-20	Johnson S. Holman, Markelland, Sandaman S. Tong M. Gharden M. Holman S. Markelland, and participation, Annual S. Markelland, and participation, and
15711	J. James M. Stromber - Mitchell, Anderder H. Stromber M. Grouden M. Glober M. Stromber M. Grouden M
15711 1571	J. James, S. H. Strader, V. Michael, J. Andreas, S. Tong, S. Olardon, M. Glowell, S. J. James, S. L. Land, S. Land
15711 15711 15701 15701 15701 15701 15701	J. James, S. H. Strader, Markel, J. Andreas, S. Tong, S. Goulee, M. Glower, S. L. Strader, M. Garley, S. L. Strader, M. Grand, S. L. Strader, M. Grand, S. L. Strader, M. G. Strader, M. G
15711 15711 15711 15711 15711 15711 15711 15711 15711 15711 15711	J. Bandes, S. H. Strades, M. Markes, J. Sandes, S. Tong, S. Charles, M. Monte, S. M. Sandes, S. M. S
2841 28	J. Bandes, S. H. Strades, M. Markes, J. Sandes, S. Tong, S. Charles, M. Golden, M. Sandes, S. M. San
25711 25721	J. James M. St. Holmer, V. Michael, J. Markers, H. Tong, H. Wanders, M. Grouders, M
15711	J. James, M. S. Harden, V. Michael, J. Marken, H. Tong, H. Wander, M. Groude, M. Harden,
15711	J. James M. S. Harden, * Market, * James M. Stern, * S. Tong, * Mourbeau, M. Grone, * Market, * James M. S. Land, *
15711	J. James M. S. Harden, * Market, * James M. Stern, * S. Tong, * Mourbeau, M. Grone, * Market, * James M. S. Land, *
15711 15721	A state of the control of the contro
INVIII IN	A state of the control of the contro
15711 15721	J. James S. H. Storker, Market J. Andreas, 18 York S. Olivades M. Global S. Market J.

SEE: [Online], Available: https://doi.org/10.48550/arxiv.2023.05206. A. Hassela, M. M. Gaber, E. Dyus, and C. Jayra, "Instation learning: A survey of learning methods," ACM Conger. Serv. vol. 50, no. 2, agr 2007. Online L. Available: https://doi.org/10.1109/3894512
S. Levine, "Should i instant or relations," 2022. [Online]. Available:
chillenge, 2023, 30mlind, Analable https://www.youtube.com/watch?
VI. L. Li and R. Ling, "Profin existing Optimizing continuous prompts for generation," in Proceedings of the 50th Annual Meeting of the Annualistic of the Companion of Companion of the Vision Annualistic of the Vision Annualistic of Annualistic o
Appart F.A. 2021, C. 2008, E. Xu, N. H., Lu et M. Novigl, Eds. Association for Computational Linguistics, 2022, p. p. 420–4207. B. Leaten, N. Ji Elixo, and N. Constant. The power of scale for potentiate relicions prompt (conting): In Proceedings of the 2022 Conference on Emphrical Methods in Natural Language Processing, EdVIX P. 2027, Farmal Enert Process Conseq. London, Appallar, 5-11 Neverbier, 2022, p. Morea, N. Hanag, L. Liperia, and S. W. Elix, 106. Association for Emphrastical Linguistics, 2021, pp. 460–5608.
Eds. Association for Cumparational Linguistics, 2021, pp. 5067–5058. S. Hosishy, A. Gargia, S. Justrechski, S. Merrens, Q. de Lacrossishie, A. Gormando, M. Altacipus, and S. Gelly, "Parameter-efficient insender Journing for NLP," in Proceedings of the 50th International Conference on Machine Learning, ICML 2018. 5-13 June 2018, Long Decks, Colleges, Co. S. 2020, pp. 5796–7793.
Proceedings of the SARs International Conference on Markine Learning, CARC, 2015. 5- 15 Jane 2015. Cong Possil: Colleges, CSS, 2020, pp. 2799–2799. 2. Hu, Y. Lan, L. Wang, W. Xu, E. Lim, R. K. Lee, L. Bing, and S. Poria, "Line-adapter: An adapter family for parameter-efficient fine-tuning of large language models," CoSp., Vol. John 2015.41 HESB, 2021.
CoSP, vol. abel2004 81803, 2021. J. Bu, C. Zhau, X. Niu, T. Deng Niriquantide, and G. Shnidig, "Towards a untilled view of parameter efficient transfer learning," in 7th Tools Indomestional Conference on Learning Paper-consistent, IEEE 2022, Trivial Event, April 25–29. 2022. "Opplementation, IEEE 2022, Trivial Event, April 25–29.
CONTINUE PROPERTIES AND ADDRESS OF THE ACTION AND ACTION AND ACTION AND ACTION AND ACTION AND ACTION
X. Liu, Y. Zheng, Z. Du, M. Ding, Y. Qian, Z. Yang, and J. Tang, "GPT understands, too," COSE, vol. abs/2303.0085, 2021.
Y. Gu, X. Han, Z. Liu, and M. Huang. "Fye: Fro-trained group training for few-shot interning," in Proceedings of the 66th Assusal Meeting of the Association for Computational Linguistics (Volume 1: Long Papers), 2022, pp. 8410–6423.
Z. Jiang, F. E. Xu, J. Anald, and G. Neubig, "How can we know what language models inners". Transactions of the Association for Computational Linguistics, vol. 8, pp. 423–433, 2020.
T. Shin, Y. Razeghi, R. L. Logan W, F. Wallace, and S. Singh, "Manprompt: Disting Strewnlodge from language models with automatically generated groups," in Proceedings of the 2005 Conference on English Methods in Norawal Language Processing (SEANLE), 2000, pp. 4222–4215.
Q. Zhang, M. Chen, A. Doldheim, H. He, Y. Cheng, W. Chen, and T. Zhao, "Magative lodger allocation for parameter efficient fine tuning," CASS, vol. abs/2505.18512, 2023. [Online]. available: https://doi.org/10.44558/anxiv.2383.18512
M. Vallpoor, M. Bengfeelandeh, I. Kobyere, and A. Ghoddi, Oylora: Parameter efficient studing of pre-trained models using dynamic sourch-free love-male adaptation. Code, Nr. od. Intelligence, 1922, 1922, 1922, 1922, 1922, https://doi.org/10.1006/nr.1922.1926.1925. N. Birke, Y. Oka, O. Tang, P. Wei, Y. Shodhan, Y. Sao, S. Hu, Y. Chen, CM. Chin, W. Chen,
N. Dife, Y. Qiu, G. Tong, F. Wei, Y. Zonghan, T. Su, S. Hu, Y. Chen, CM. China, W. Chen, J. Yi, W. Zhao, X. Yinay, Z. Liu, H. P. Zibeng, J. Chen, T. Liu, J. Tong, J. Li, and M. Hau, "Parameters efficient from Crain Gall Rating-scale per tollered language models," Neuron Machine Intelligence, vol. 5, pp. 1–16, 03 2023.
 Zhang, J. Han, A. Zhou, X. Hu, S. Yan, R. Lu, H. Li, P. Goo, and Y. Qiao, "Llarmo- ndaym: Efficient line-randing of language models with zero-init unterston," CoSE, well-abs/2007-20079, 2013. J. Prieffer, I. Yalio, L. Guereych, and S. Buder, "MAD-32 on adapter-based framework
3. Printfies 1. Valle, 1. Guerrych, and S. Bades "MAD 31 on adapter-based financework for real-fresh cross-legisla toxofars," in Proceedings of the 2020 Employmen on Tampioto Methods in Startest Language Processing, SMAPE 2020, Oslob, November 16-30, 2020, D. Welsher E. Cohn, Y. Hr, and Y. Liu, Eds. Association for Computational Linguistics, 2020, pp. 3044–3070.
Companishmal Linguistics, 2003, pp. 5004-503. S. Mengruhan, S. Gogger, L. Chebri, T. Beleder, and S. Fuel, Tritt: State-of the-sex parameter efficient free turing methods: Intelligent Companishmal C
A. Gholami, S. Kim, Z. Dung, Z. Yao, M. W. Mahanon, and K. Keuzzer, "A curvey of quantization methods for efficient neural network inference," CoSP, vol. abs(2001.15630, 2021. [Online]. Available: https://arxiv.org/abs/2105.12638
multiplication for transformers at scale," CoRR, vol. abs/2208/87339, 2022.
 Xiao, J. Lin, M. Sezzec, J. Demonth, and S. Han, "Innonfrequent Accurate and efficient post criticing quantization for large language models," CoUI, vol. sholl21110063, 2022. DeViside, Monthality. Interpr./ Adol. nargi-104. 41550 arXiv: 2211. 19408 Xiao, E. Y., Kershold, M. Sizzec, X. Wu, C. Li, and Y. Mr. S. Verenand: Efficient and
 Yea, R.Y. Archinshold, M. Zhang, X. Wu, C. LL, and Y. Me. "Decopare: Efficient and offseehole good training quantitation for integro-cole transference." in <i>MontPN</i>, 2002. J. Liu, J. Tang, H. Yang, X. Yang, and S. Han, "Mong Activation-aware weight quantitatins for lin. corporation and acceleration," 2023.
quantization for line compression and acceleration," 2023. E. Franciar, S. Additiono, T. Beetler, and D. Alatach, "Gyby: Accurate post-training quantization for generating pre-trained transformers," arXiv preprint arXiv:2212.1723.2023.
 Franciar and D. Alletach, "Optimal brain compression: A francework for accurate good-entiting quantization and pruning," in New PS, 2022.
T. Detrimers, A. Pagreel, A. Höltzman, and L. Zeifennyer, "Qiece Ellideral floritating of quantized liben," arXiv preprint arXiv:2205.0474.2302. 2. Liu, N. Oppol. C. Ziano, E. Chong, P. Stook, Y. Mehridak, S. Sel, E. Krishnammenthi, and V. Chandin, "Lin-que: liben-free quantization severe training for large language models," 2002.
Z. Yao, X. Wu, C. Li, S. Your, and Y. He, "Derequent-62: Exploring post-training quantization in lites from comprehensive study to low rank compensation," 2023.
 Detiniers and L. Zettlemopes "The case for 4-bit precisions is bit inference scaling laws." CuRR, vol. abs/2212.09720, 2022.
L. Polys, L. Zikang, G. Ze-Feng, G. Dowed, Z. Mr. Xin, L. Tallang, D. Bolla, and W. Ji- ikong, "On emergent inhibitor coin in quantion flarge language models: An empirical study," of Mr. propries architects 2008/0072, 2023. T. Dettiners, M. Lewis, T. Bellindo, and L. Zellenseyer, "Min.int/01. 8 kit matrix.
To Destiners, Mr. Lewis, T. Deblada, on et. L. Zeithensyer, "Units 800. 8 kill matrix matriplication for transformers at scales," Code, vol. abstraction 2002, 300 kinel, worklades integration and process of scales, "Code, vol. abstraction 2002, 300 kinel, worklades integration of scales," 2002, 300 kinel, 300 k
et al., "Non-shot information extraction via chariting with change," or Net propriet extraction 2005, 2023. T. Dettiners, M. Lewis, S. Shlecke, and L. Zeithensyer, "whit optimizers via block- viate quantization," 9th International Conference on Learning Representations, ICLE, 2022.
2022. C. Tan, L. Hua, W. Zhang, L. Shang, X. Jiang, Q. Liu, F. Loo, and N. Wong, "Compression of generative pre-trained language models via quantization," in
C. Tan, L. Hou, M. Zhung, L. Shung, X. Jiang, Q. Lian, F. Loux, and N. Wong, "Compression of generative pre-trained language models via quantization," in Proceedings of the 60th Annual Merrols of phylo Incondition for Computational Linguistics (Polome: Linear physics), ACL 2002, Dubble, Present. May 22-27, 2002, S. Marrison, R. Moloc, and A. Willachicerckin, Eds. Association for Computational Linguistics, 2002, pp. 4823–4939.
J. Liu, D. Shen, Y. Zhong, B. Dolan, L. Carin, and M. Chen, "What makes good in- control courage for grap of "In Proceedings of Step Learning Inside Out. The Fort Merkshop on Noveledge Transcens and Integration for Reing Learning, Architectures, Seed 200(44.1. 2022, Steblin, Indian) and Online, May 27, 2022, 2022, pp. 109-114.
Bendalloghett, 2002, Janobis, Irrisonal and Crisline. App. 27, 2022, 2002, pp. 100–114. O. Boldes, J. Bernig, and J. Bernien, "Learning to retrieve primarpis for its content learning," in Proceedings of the 2022 Conference of the Posterio, American Chapter of the Association for Computational Linguistics Travaria Language Production (April 2022). Description of the Computational Linguistics Travaria Language Proceedings (April 2022). Description of the Computational Linguistics (April 2022). Description of the Computation
On A SOCIOLAN JOC CAMPAGNATION LANGUAGES THROWN LANGUAGE TREMANDJES, MANCEL 2012, SOMETI, MAI, USHAD SAME, JAJ 39 FL 2022, 2002, Jp. 2016–2017. IL J. Kitz, H. Cho, J. Kitz, T. Kitz, K. M. Yoo, and S. Leo, "Self-generated in-content limiting Leveraging and so-represented languages models on a formanization generator," CAMP, rod. abs 220.00002, 2022.
Y. Zhou, A. S. Maresona, Z. Hau, K. Poster, S. Pikis, H. Chon, and J. Da, "Large language models on human hand support continuous "In Proc. of NY 8, 1979.
Y. Liu, M., Barrola, A., Moore, S., Kiedel, and P. Sonensop, "Fastantially ordered georgies and where to find them: Overcoming few sheet prompt cells emislately," in Proceedings of the OAA Annual Memory of the Association (Confessional Linguistics) (Volume 1): Long Papers, A.C. 2022, Collect, Printed May 22-27, 2022, S. Marreau, P. Moore, and A. Villachineri, Eds., 2022, p. 9605–9619.
 Put, H. Peng, A. Sobbarwol, F. Claris, and T. Nhot, "Complexity-based prompting for maki-step reasoning," CoSS, vol. abs/0218.00728, 2022.
Z. Zhang, A. Zhang, N. Li, and A. Senda, "Automatic chain of thought prompting in large language models," CoSE, vol. abs/221.00.903, 2022. A. Creivell, M. Shanahan, and I. Higgint. "Beleation inference: Exploiting large language models for interpretable logical cross/ords," CoSE, vol. abs/2209.09713.
2002. X. Minng, J. Wei, D. Schmarmann, Q. V. Le, E. H. Chi, and D. Zhou, "Self-consistency improves chain arthrought resonating in language models," CoRR, vol. abs/22021.1177, 2022.
aba(2003.1177), 2022. Y.L.S., Lia, K. Diang, Q. Tu, R. Chen, J. Liu, and M. Chen, "On the physics of making language models before resistence," CMSC vol. abs/2006.03388, 2022. X. Mong, J. Mel, D. Schwarzmann, Q. V. La, E. H. Chi, and D. Zhou, "Sortienals- negueranced examation in language and models," CMAR, 2022.
X. Wang, J. Wei, D. Schuurmann, Q. V. Lu, Z. H. Chi, and D. Zhou, "Stationale- augmented ensembles in language models," CoRR, 2022. D. Zhou, N. Schierli, L. Hou, J. Wei, N. Scoles, X. Wang, D. Schuurmann, O. Domequet.
D. Zhou, N. Schlerli, L. Don, J. Wei, N. Soolen, X. Ming, D. Schourmern, O. Donoquet, Q. Lr., and E. H. Chii, "Look of evols prompting enables complex reasoning in large language models" COSE, vol. Asia;25:1905, 2022. T. Khou, H. Trivodi, M. Friedgoux, F. Fra, E. Schadston, P. Clark, and A. Sahbarrosi, "Incorrected securities a models anamous for evolution content tasks".
T. Kihot, H. Trivedi, M. Fishayam, E. Fu, K. Sichandson, P. Clark, and A. Sabharaval, "Pocomposed premping a modular approach for robving complete tasks," CoSS, vol. abstra104505, 2012. Pyrales, Postubble: https://doi.org/104.1650/abstra.2010.004506. https://doi.org/104.1650/abstra.2010.004506.
L. Tikang, W. Xu, T. Len, Z. You, Y. Lex, N. K. Leo, and E. Lim, "Plan-and-solve percepting improving erre-shet charts of bought resourcing by large language models," <i>CMLR vol. International JHES</i> , (2018), p. Wallables, https://doi.org/s0.48569/sarxiv-2018-08093
Q. Lyu, S. Harnidor, A. Stein, L. Zhang, D. Rao, E. Wong, M. Apidianaki, and C. Collisors-Burch, "Fathfold chain-of-thought reasoning," CoRR, vol. abs/2381.13379, 2823.
L. Gao, A. Modison, S. Zhou, U. Alon, P. Liu, Y. Yang, J. Cellon, and G. Neuldg, "PALI program-aided language models," CARK, vol. abs/2211.18433, 2022. Y. Shon, K. Song, X. Yan, G. Li, W. Liu, and X. Zhuang, "Wangang Solving at units with change and in triends in hugginghos," with preprint or/EV/22001.7556, 2023.
H. Sun, Y. Zhaung, L. Song, B. Dol, and C. Zhong, "Adaptiones: Adaptive planning from feedback with language models," arXiv preprint arXiv:2305.36537, 2823.
Y. Lu, R. Lu, Z. Chen, M. Zhu, X. E. Wang, and W. Y. Wang, "Multimodal procedural placeding via dual root image prompting," <i>CoRP</i> , vol. she2020.81176, 2023. S. Hou, Y. Gu, H. Ma, J. J., Hong, X. Wang, B. Z. Wang, and X. Hu, "Reasoning with language model in planning with world model," <i>CoRR</i> , vol. abs/2005.10972, 2023.
Imagings model in planning with world model." DML vol. abs/2385.1892, 2023. 2. Chen, K. 20co, B. 20mag, Z. Gong, W. X. 20ma, and J. Wen, "Charcot: Stodiospherocord chain-of-thought crossoring on chair based large Language models," CoRQ, vol. abs/2305.14122, 2023.
CoSP, vol. abs/2005 54022, 2023. S. Yao, J. Zhao, D. Yu, N. Du, I. Shafran, K. Namelimban, and Y. Con, "Reset: Specergizing resenting and acting in language models," CoSA, vol. abs/2200.0929. 2022.
N. Shinn, T. Cassano, R. Lubash, A. Gopinath, K. Narasinshan, and S. Tau, "Seffection: Linearing season with workel printersonage learning," 2012.
S. Yao, D. Yu, J. Zhao, J. Shafmar, T. L. Griffiths, Y. Coo, and K. Namolmban, "Tree of thoughte: Deliberate problem solving with large language models," CnRL vol. elect/2001/2009, 2023. V. Liu and L. E. Chilton, "Sweige guidelines for prumps engineering trees no image
 Lia and L. B. Chilzon, "Design guidelines for prompt engineering text to image generative models," in Proceedings of the 2022 CSD Conference on Monast Focuses in Companing Systems, 2022, pp. 1–12. White, Q. Fu, S. Heys, M. Sandhorn, C. Olon, H. Gilbert, A. Elmahar, J. Spercor-
 White, Q. Fu, S. Hays, M. Sandborn, C. Olea, H. Gilbern, A. Dambar, J. Spencer- Seeffs, and D. C. Schneide, V. Sporrag partner carbolic to enhance personal engineering with changes," <i>Surpreprint arXiv:2301.1382</i>, 2023. K. K. Santo and D. Feng, "Felies A general Extraoratory of LLM prompts for Investmenting complete arXiv: Cells Vol. 14(2):205–11 (10), 2011. Qualitated, Arxiv: https://doi.org/10.1455/2012.2015.11468
OpenAL "Opthos proction," OpenAL 2013 (Online), Available: https://glatform.openal.com/docs/guides/gpt-best-practices
https://gizkross.com/sac.com/sac.rgizks/gr.east-paccicom com/kence, "di-short," SEE, fording, Available https://assa-aichart.top/ —, "Avances chatge promps," Girkah, 2023, fording, Available: https://github.com/fassoom-chutgp-promps.
 Bang, K. Zhou, Z. Dong, K. Te, W. S. Zhao, and J. Wen, "Streetget: A general framework for large language model to reason over structured data," CoSS, vol. obs/2308.09445, 2023.
 Besser-Wellzer, M. Fischer, and M. Vecher, "Prompting is programming: A query language for large language models," Proceedings of the ACM on Programming
P. Lu, B. Peng, H. Cheng, M. Galley, KM. Chang, Y. N. Wu, SC. Zhu, and J. Gao, "Chameleon: Plug-and-play compositional reasoning with large language models," arXiv prescript arXiv:2304.09642, 2021.
 Ren, Y. Wang, Y. Qu, W. X. Zhao, J. Liu, H. Tian, H. Wu, JR. Wee, and H. Wang. "Investigating the factual knowledge boundary of large language models with.
 Tens, J., Zhang, Z., Lin, H. Lu, E. Xin, J. J. McAuley, and W. X. Zhan, "Large language madels are cern-shet stabless for recommender systems," CORE, vol. abs/2006.08443, 2023.
S. Chang and E. Foder-Lauder, 'How in primpt line for two-o-op'. A mody in aero- shot, ingle-domain, and cross-domain serlings,' CoSS, vol. abs/1305.11853, 2023. (Online), Annihilis: https://doi.org/18.48550/arXiv.2385.11853. Y. Wen, N. Kin J. Elevine-baser, M. Guldhinn, I. Cartinin and T. Oddoren. 'Hard.
Y. Wen, N. Jain, J. Strichenbuser, M. Goldblom, J. Gelping, and T. Goldblein, "Steel geompt make easy: Codebra hased discrete operations for prompt training and discrete;" Code Act of Jain 2008, 1203, Collab., Available: https://doi.arm/101.08166/ev.2012.0916.0916.
https://doi.org/10.48558/arxiv.2022.88568 T. Goo, A Florit, and D. Chen, "Making pre-trained language models better few-shot language models better few-shot language for the few-shot language and the few few few few few few few few few fe
T. Gao, A. Finch, and B. Chen, "Midding pre-mixed language models between few-shot lantermer," in Proceedings of the 24th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Proceeding, ACC/QUOVA 2017, (Polison E. Long Papers), Primate Trees, August 1-8, 2021. C. Zong, E. Zon, W. Li, and B. Swirdja, Eds., Association for Communicational Linguistics, 2021, pp. 2594–2800.
T. Cone, A. Bark, and G. Chen. "Midding per entired language models better free-door learners." In Proceedings of the 28th Annual Behaving of the Assessment Computational Linguistics and find 11th Assessment from Conference on Marson Appart 14, 2022. USes pp. 12th ASSESSMENT ASSESSM
T. Cone, A. Bark, and G. Chen. "Midding per entired language models better free-door learners." In Proceedings of the 28th Annual Behaving of the Assessment Computational Linguistics and find 11th Assessment from Conference on Marson Appeal Fox. 2012. USes p. 12th A. Bark. Link Novelle. 18th. Association for Computational Linguistics. 2012. pp. 5039–5039. Conference on Computational Linguistics. 2012. pp. 5039–5039. Computational Linguistics
Tools, Natle, with Chart Valleign or moral language made have to been dependently on the control of the control
Cloud. Table And Cloud. "Stelling reconstitutions are considered by the Company of the Company o
Links, Links, and Shaw Mallings recording segments and has the re- presentation of the control o
Cloud. Table And Cloud. "Stelling reconstitutions are considered by the Company of the Company o

14730	 Pyraner, B. Inc. J. Li, Y. T. Lee, C. Zhu, and M. Zong, "Automatic prompt opinization with "profilers descent" and buses search," <i>Color</i>, vol. abs/2205.03405, 2823. [Online]. Irealistic https://doi.org/10.44526/arXiv.2285.03452 C. Hong, X. Wong, X. Lu, H. Liu, Q. V. Le, D. Zhou, and X. Chem, "Lange language
934	C Tang, T. Wang, Y. Lu, H. Liu, Q. W. Le, D. You, and T. Chen, Tunge language models on optimizers, "CoRD, vol. abs/2278/05299, 2023, D2583rd, Available, https://doi.org/10.48598/vs/25v.2889.6889
ja saj	"Promptagene: Strategic planning with language models enables expert-level prompt optimization," CoRR, vol. abs/2310.16427, 2023. [Colline]. Available: https://doi.org/10.44558/wrkiv.2310.16427
435 435	INTELL AND
[476]	Committee on Computational Linguistics, 2022, pp. 1949-1954. T.V. B. Lewins, N. Constant, R. Al-Moles, and D. Cer. "Spot Bester freeen model objection for region for open or processing of the 90% Association of processing of the 90% Association for Computational Linguistics Distinct Conference of the 90% Association for Computational Linguistics Distinct Conference of ACL 2022, Bubble, Private May 2012, 2022, Salessen, Publica, and A. Villancenia, B. Computational Linguistics, 2022, pp. 5099-5018.
1477]	Six. Amordation for Compensational Linguistics, 2022, pp. 5895–5958. 3.11. T. Timeg, J. Nie, J. Men, and S. Zhao, "Learning to transfer prompts for one generation." In Proceedings of the 2022 Conference of the North American Congress of the American for Compensational Linguistics: Stress Linguige Technologies, ASA-62 2022, 2008. 3.0. Secretics, and J. C. M. Raiz, Dis. Association for Compensational Linguistics, 2021, pp. 500-500. 3.11. Sept. 2021.
470)	 O. Marrettis, and L. V. M. Stir. Dri. Association for Compositional Linguistics. 2021, pp. 3069–30598. M. P. C. Lipu, A. Haltzman, M. Arretso, M. Lowis, H. Halphiris, and L. Zerfensoyer. Selber, C. Lipu, A. Haltzman, M. Arretso, M. Lowis, H. Halphiris, and L. Zerfensoyer. Selberkhalt, Princip and Georgeometrican: White radical in Journal Language and Proceedings of the 2022 Conference on Empirical Medicals in Secural Language Processing, IEEE, 2022, Apr. 1046–105. Alexander, C. Lipu, A. Language, C. Lipu, A. Language, L. Lipu, L.
24	Processing EMULY 2022, Also Unlab. Critical Arab Zeristano, December 7-14, 2022. Assection for Computational Linguistics, 1222, pp. 11-16-11. The June 12-12 Arab. E. Vollátes, S. Freig, D. Helst, and S. Singh, Tuillibrate before use Improving few that prefermance of Engage models: In Proceedings of the 20th Enforcementation Conference models: In Proceedings of the 20th Enforcementation Conference models: In Proceedings of the 20th Enforcementation Conference on Interface Learning, 2013. 2022, 30-24 July 2022, Virtual Euret, 5M. Melli-med Y. Zhang, Eds. 2013. 31, 2019-1-2106.
800	2022. Journal for Computational Linguistics (LLL) by 1148—1159. The Law Change, Temp. 1148—1159. The Law Change of
81)	compositional generalization," CoAR, vol. abs/2212.06080, 2022.
182]	H. Su, J. Kosai, C. H. Wu, M. Shi, T. Wang, J. Xin, R. Zhang, M. Osemberf, J. Zerfernoyer, N. A. Smith, and T. Yu, "belentive association makes language models better few-shot learners," CoRR, 2022.
483)	X. No, S. Iyer, A. Celleydimar, V. Sonyanon, G. Burrent, and R. Passanana, "Complementary explorations for effective in-context learning," CoRR, 2022. X. Li and X. Qiu, "Tinding supporting examples for in-custon learning," CoRR, 2023.
485)	 Zhang, S. Fireg, and C. Ton, "Active example selection for in-context learning," in Proceedings of the 2022 Conference on Departical Intellect in Science Language Processing, CHINLE 2022, Adv. Dhale, United Arab Zenimon, December 7-11, 2022, 2022, pp. 4534–4140.
1801	 Glanti, M. Alinadeh, and M. Kubli, "Chatget outperforms crowd-weekers for test- amentation tasks," 2023.
ned	IL J. Kim, H. Cho, J. Elm, T. Kim, K. M. You, and S. Lee, "Self-generated in-content learning: Leveryday assorts/present singuages models in a demanstration generator," Code, vol. abs/2016/000602, 2022. S. M. Xho, A. Eughanashan, F. Liang, and T. M., "An exploration of the content learning as implicit learning in termson," in The Test M-Astronational Conferent learning as implicit learning in termson," in The Test M-Astronational Conference on
1901	generators* Codd, vol. abs/2006/0002, 2022. S. M. No, R. A. Byrandows, R. Elling, and H. Ma. "So exploration of its centent interrating as implicit layerium infortence," in The Tenh Adversalowsal Conference on Learning Professionals, ILLA 2022, 2020, 10 Per. April 2022, 2022, 2022, 2022, 2022, 2022, 2022, 2023
81]	abali 2008 (1973). 2023. Serferinope, and B. Berjánkoz, "Mential Loorning to loam in current," In Proceedings of the 2022 Conference of the Sorth American Chapter of the Association for Computational Linguistics: Neural Language Perhabsights, NAACL 2025, Searth Oct Christ Hanse, 1919. 47–47, 2022. 34. Corpuse, M. de Marzeellin, and 1. V. M. Botz, Edic, 2022, pp. 2794–2809.
721	 Y. M. Sout, Edn., 2022, pp. 2790–2889. M. Halm and N. Goyal, "A theory of emergent in-context learning as implicit structure industries," CoRE, vol. abs/2333.87971, 2023.
10	 Pau, T. Gao, H. Chen, and D. Chen, "What in-context learning "learne" in-context: Disentanglist task recognition and task learning," CoRR, vol. abs/2306.00711, 2023.
84 80	N. Wies, Y. Levine, and A. Shashau, "The learnability of in-centest learning," Calif.
ni(vel. shic(2003/FFPDs, 2002). A. Voldera and E. Parkick, "To prompt based models really understand the mentals of their prumpts" in Proceedings of the 2022 Conference of the NAVA American Chapter of the Amazicanian (Federational Engineering Enteron Optional Conference of the NAVA Americanian Chapter of the Amazicanian (Federational Engineering Enteron Lagrange Technologies, NAVAC, 2022, Swinter, ISA, Childel Fasters, 1991 18-15, 2022, 2022, pp. 2200-22144.
901	J. von Oweld, E. Nikleson, E. Rendezon, J. Serramento, A. Monfriebon, A. Zhanghaw, and M. Viadymyrev, "Toronformers learn in-centres by gradient descent," CoRR, vol. abs(2213.87677, 2012.
875	C. Odmors, N. Ilhany, N. Nande, N. Jasoph, N. Osscherma, T. Henighten, G. Mann, A. Adolf, T. End, A. Chen, T. Groserly, G. Perric, G. Gangali, Z. Earleid-Fodds, B. Hermander, S. Jehnessen, A. Jenes, J. Serricke, I. Liver, R. Milessen, N. Amedel, T. Horover, J. Clark, J. Sephen, S. McCarollah, and C. Oliah, "In content learning and infusions bender," Cells," vol. 862/2021 11995, 2002.
*4	E. Alytrek, D. Schoumson, J. Andreas, T. Ms, and D. Zhou, "What learning algorithm is to consent learning" investigations with linear models," CASE, vol. abs/2021.155601, 2022.
90)	 Wei, J., Wei, Y. Toy, D. Tran, A. Michaer, E. Lu, X. Chen, H. Liu, D. Hanng, D. Zhou et ol., "Larger language models do in-content learning differentily," arXiv preprint arXiv:2203.03064, 2023. A. Cola Force, M. Riso, Z. Adata, M. M. Mortinick, L. E. Wood, and L. Adado, "Mena.
11)	 Oode Forens, M. Bass, S. Aldeau, M. M. Bordmick, J. S. Wing, and J. Scholz. "Seen it context beauting in large language models: Cutts, vol. Abs/2008 1209. W. Wel, L. Hiru, A. R. Lampiron, X. Chen, D. Bassay, Y. Tay, X. Chen, Y. Lu, D. Zhou, J. Ma, and Q. Y. Lu, "Speaked stating improves in-context describing in language models," Code, Perc. Inter2015 10093, 2022.
100	 Cho, J. Chen, Q. Chen, W. Yu, T. He, H. Wang, W. Peng, M. Liu, B. Qin, and T. Liu, Y. survey of chain of thought reasoning: Advances, frontiers and future," CMM, vol.
ы	AGENDRA 18402, 2023. S. Mino, C. Liang, and K. Su, Yu doverso corpus for evaluating and developing english much word prolines solvers," in Proceedings of the 58th Annual Attenting of the Association for Computational Linguistics, ACL 2023, Online, phys. Feb. 2028. B. Limshipe, C. Liut, S. Schietzer, ed. P. Terrende, Eds. Association for Computational Linguistics, 2023, pp. 979–584.
ы	A. IMBRIS J. PERSON, D. ADMITS MID. J. COMMINS COMMINS CONTROLLED AND PROCEEDINGS of the 200°C Ling Francis of the North American Chapter of the Association for Comparation Linguistics: Chamara Language Personalistics, Personalistics, Personalistics of the 250°C, Jane 2-7, 275°C, White et al. Long and Short Papers, J. Eurotein, C. Dorras, and T. Salario, Eds., Association for Computational Linguistics, 265°C, p. 4484–4458.
rol rol	T. Kojima, S. S. Gu, M. Beid, Y. Motson, and Y. Invasova, "Large language models are zero-shot reasoners," CoSS, vol. abs/2205.13918, 2022.
ec) ec)	W. Chen, X. Ma, X. Wang, and W. W. Cohen, "Program of thoughts prompting: Bleen angling computation from reasoning for numerical reasoning toda," <i>CoSO</i> , vol. abs/221.112698, 2022. 1. Geo, A. Medien, S. Zhou, U. Alen, P. Liu, Y. Yang, J. Callers, and G. Shrabig, "PAL:
	 Cao, A. Modaer, S. Zhou, U. Alon, P. Liu, Y. Yang, J. Callor, and G. Meshig, "PAL: geogram-abided language models," in International Conference on Markhire Learning ACMS, 2022, 232-299, 2022, Technolofs, Moscol, CA. A. Stoure, E. Brassilli, K. Cho, B. Engelbardi, S. Sahato, and J. Soutlet, Eds., 2022.
1816	 Zhao, Y. Xio, K. Kavagachi, J. He, and Q. Xie, "Knomatic model selection with large language models for researcher," CARE, vol. abs/2205. 4233, 2023. Li, Z. Liu, S. Zhang, Q. Yu, H. Chen, JG. Len, and W. Chen, "Holding large language models before resources with hep-severe verifics," 2023.
1900	models better resources with step-aware verifier," 2023. O. Varner, T. Wolfston, B. Englis, U. Karz, D. Deench, and J. Berzan, "Manavering questions by meta-resourcing over multiple chains of thought," CoSS, vol. abs/120-94.18002, 2023.
smi	 Ling T. Fang, X. Li, Z. Hoang, M. Lee, R. Memberic, and H. Su, "Defactive verification of chain-of-thought reasoning," CoRA, vol. abs/2286.03872, 2023.
is23	T. Xue, Z. Wang, Z. Wang, C. Hao, P. Yu, and H. Ji, "BCOD: detecting and restliping factual inconsistency in reasoning by reversing chain-of-thought," CoSS, vol. abs(2205.11498, 2023.
5738	 Weng, M. Zhu, F. Xia, B. Li, S. He, K. Liu, and J. Zhao, "Large language models are larger resonants with self-verification," CoSA, abs/2272.09851, 2023.
100	W. Jiang, H. Shi, L. Yu, Z. Liu, Y. Zhang, Z. Li, and J. T. Norok, "Forward-bashward reasoning in large language models for authorization recification," 2023. J. Long, "Large language model guided tree-of-thought," CoSS, vol. abs/2205.88291.
94	2023. S. No and M. Xin, "Tree of uncertain thoughts reasoning for large language models CoRS, vol. obsci209-87094, 2023.
17]	M. Besta, N. Básch, A. Rubiculc, R. Gerrare bergur, L. Gianimazzi, J. Gajda, T. Lehmann, M. Pedrarschil, H. Niewiadorschil, P. Nyczyk, and T. Hoeffer, "Graph of thoughts: Solving staborane problems with large language models," CoSR, vol. abs/2380.000F 2023.
100	 Lei, P. Lin, C. Liao, and C. Uring, "Boosting logical resouring in large language models through a new framework: The graph of thought," <i>Cohit</i>, vol. abs/2306.06814, 2023.
208	 Ding C. Zhang, L. Wang, Y. Xu, M. Mu, W. Zhang, S. Qin, S. Rajmohan, Q. Lin, and B. Zhang, "Dowything of thoughts: Delying the law of personse triangle for thought
ot	Some and the state of the state
21]	 St. St. Zhang, Y. Jiang, S. Deng, G. Zheng, and H. Chen, "When do program of thoughts work for reasoning?" CWM, vol. abs/2308.13452, 2023.
23	A. Mindann and A. Yazzfachalihah, "Bott and patterns: For effective chain of though it takes two to trangs," GARC, vol. 24/02/00/0965, 2022. X. Zhang, A. Zhang, M. Li, H. Zhan, G. Karyph, and A. Smila, "Multimodal thain-of- thought resonaing in language models," GARL vol. 24/02/2022/0923, 2023.
24	through? rescenting in language models." CASE, vol. abs/2702.09733, 2023. I. Shi, M. Sungur, M. Fristag, X. Wang, S. Srivars, S. Vossaghi, H. M. Chung, Y. Tay, S. Shi, A. Sungur, D. Shu, and J. Wei, "Language models are multilingual chain-of- thought reseases," CASE, vol. abs/2202.0007, 2022.
154	3. Qian, H. Wang, Z. Li, S. Li, and X. Yan, "Limitations of language models in artiferants and workship industries." DaM. vol. abs/2786.0001, 2022.
26]	N. Bian, X. Han, L. Sun, H. Lin, Y. Lu, and R. He, "Chariff? is a Knowledgeshie hur. Insepartment Sulver. An Innovigation of Communerous Problem in Large Language Models," Col. P. 322.
171	 Yao, B. Yu, J. Zhao, I. Shathur, T. L. Griffiths, Y. Cao, and K. Namstathan, "Tree of thoughts: Deliberate problem solving with large language models," CaSE, vol. abs/2305.10002, 2023.
29	G. Wang, Y. Xie, Y. Jiang, A. Mandishan, C. Xiao, Y. Zhu, L. Fan, and A. Avandisman, "Rosper: An open-entail embedded agent with large language models," arXiv preprint arXiv:2005.1618030, 2023. X. Jiang, Y. Dong, L. Wang, Q. Sang, and G. Li, "disCiplanning code generation with large language models," arXiv pages 2023. 2023. Distributed. Arxiv:1006.
90)	propose of NV-Colon Cools, 20, State g. and G. Li. "Self-plane ring code generation with large language model." Colls. vol. abs/200.0000, 2023. Distinct. Invalidate: https://doi.org/10.1455/2007/2015-2025-2025. Lidgly, V. Edukis, A. Messarvior, A. Gopd, D. Ru, J. Threshlay, D. Fee, J. Thomason, and A. Gung, "Programage Generating dramate does train plane using large language models," Colon Col. abs/2015-1012, 2022.
111	B. Liu, Y. Jiang, X. Zhang, Q. Liu, X. Zhang, J. Binwas, and P. Stone, "LLM-P: empowering large language motiles with optimal planning profiniency," CaSE, vol. abs/2304.11477, 2023. Emilsed. Available:
120	dest203-114 (7), 2023. Parked - Available: https://doi.org/10.4480/exchiz/. p284.11417. 8. Sundoch, A. Klurranas, O. Lorenz, P. Done, and B. Owener, "High-resolation image synthesis with latest difficult in models" in AREXCVY Conference on Company Tolon and Parkers Energylmin; CFPR 2022, Area Orbana, E.A. USA, Jave 19-04, 2022, 2022, pp. 19-14-3-166.
101	2022, pp. 10 674–10 685. J. S. Wark, J. C. O'Trices, C. J. Cui, M. B. Marris, P. Liang, and M. S. Bernstein, "Generative agents: Introductive simulature of human behavior," CAMS, vol. alsociated 45442, 2023.
н	2023.[Ordine]. Available: https://github.com/Significant-Gravitas/Auto-GP1
rol .	 Wang, S. Cai, A. Liu, E. Mo, and Y. Liang, "Describe, explain, plan and select: Interactive planning with large language models enables open world multi-lask agents," CASE, vol. abs/2302.03594, 2023.
171	 Wang, X. Yi, R. Guo, H. Jin, P. Xu, S. Li, X. Wang, X. Guo, C. Li, S. Xu et al., "Millyuse: guzpose-built vector data management system," in Proceedings of the 2021 International Conference on Management of State, 2023, pp. 2634–2622.
4	W. Zhang, L. Guo, Q. Cuo, M. Yu, and Y. Wang, "Memory bank Links using large language models with long-term seminary," CHSP, vol. abs/2003. 10298, 2023. M. P. Marrus, R. Sanascia, and M. A. Manchidelevicz, "Buildings a large seminated corpus of english: The penn treebank," Comput. Linguistics, vol. 16, no. 2, pp. 313– 204, 1993.
rot	 Nerity, C. Xiong, J. Dendhury, and B. Socher, "Fointer sentinel nature models," in ACLE (Protect.). Does Serview, not. 2017.
10)	O. Rojaç C. Bards, C. Federmann, R. Bladdon, P. Kheka, J. Levellog, C. Masso, P. Ferlan, M. Pee, H. Saire-Amand, J. Sorina, L. Sprina, and A. Thendynes, "Findings of the 2444 event-lates on striked matheta translation," in PMIPSIGAT. The Association for Computer Linguistics, 2014, pp. 12–58. O. Johns, B. O. Admirine, C. Polemenan, S. Graham, R. Bladdon, M. Buch, A. Dieseran, C. Starker, M. Bladdon, M. Buch, A. Dieseran, C. Starker, C. Starker, M. Buch, A. Dieseran, C. Starker, S. Graham, S. Bladdon, M. Buch, A. Dieseran, C. Starker, S. Starker, M. Buch, A. Dieseran, C. Starker, S. Starker,
-	ner umpgener ungsamen, m. e. pp. 12-04. O. Dojet, R. Chatterjee, C. Friedmann, S. Crahara, R. Hadden, M. Hode, A. Jimene- tryen, R. Roden, V. Copiedmen, C. Manna, M. Nogel, A. Weiesl, M. L. Newes, M. Payel, M. Nest, R. Roden, C. Sozono, L. Specio, N. Turtiel, K. Persyen, and M. Szospieri. "Hadding of the 21th conference on another basedation: in Marc." The Association for Computer Linguistics, 2006, pp. 111–198. Association for Computer Linguistics, 2006, pp. 111–198.
12]	Assessment by Computer Linguistics, 2000, pp. 111–156. I. Barmack, O. Royle L. K. Garon jam, G. Gerbarrace, M. Filbell, T. Grisham, B. Hoffer, M. Hirds, F. Bolink, S. Shidman, C. Johnson, M. Maller, S. Filb, M. Pore, and R. Hoffer, M. Hirds, F. Bolink, S. Shidman, C. Johnson, M. Maller, S. Filb, M. Pore, R. Horner, M. Horner, G. Horner, G. Horner, G. Horner, G. Horner, Alpha, Agapat J. C., 2029 - Moreov, 2. Shirned Task Papers, Day, J. O. Bylant, G. Charler, Alpha, Agapat J. C., 2029 - Moreov, 2. Shirned Task Papers, Day, J. O. Bylant, G. Charler, A. Shirter, C. Woley, M. Pougl, A. Horned, M. E. March, S. Horner, M. Parel, L. and S. Vongore, E. M. A. Horneld, S. M. Sevens, M. S. L. Sevens, H. Fore, M. Truell, L. and S. Vongore, E. M. A. Hornelds for Computered Lagoston, 2018, pp. 4–41.
	ang., Jaghot J. C., 2019 - Holame 2: Shared Stack Papers, Day J. O. Bojac B. Chalterjee. C. Federmann, M. Tahel, T. Graham, B. Bioldins, M. Hatak, A. Jameso Tepes, P. Kieda A. Shetriko, C. Mone, M. Negyla, J. Nevel, M. D. J. Nevel, N. Fu, M. Tarrida, and K. Verspoor, Eds. Association for Computational Linguistics, 2013, pp. 1–41.
ioj.	L. Barmadt, M. Bieslahkin, O. Bejar, M. R. Corta-Junal, C. Federmann, Y. Gmbam, R. Grundklewicz, B. Bladdon, M. Black, E. Jouzis, T. Normi, P. Korlin, C. Lu, S. Ljabenic, C. Morn, M. Marishita, M. Nagasa, T. Sudazzawa, S. Pal, M. Peet, and M. Zamadra, "Tindham alling", 2000.
	A Bredley, S. March, S. March, S. L. Mercel, R. M. Mercel, R. Mercel, R. Miller, M. M. Lanner, M. Marchello, S. Diper M. A. Group, H. C. Gerberner, F. Conderlow, S. Groupfelder, S. B. March, S. Marchello, S. Diper, M. G. Corp, M. Groupfelder, S. B. March, S. Marchell, S. Diper, S. Chrose, T. Folkow, C. Li, S. Marchello, M. Diper, S. Chrose, S. M. M. Pere and M. Alzapier, "The drap of the 2000 references on machine tendence INMEXES," Proceedings of 16th S. (Conference on Month, S. Chrose, T. Miller, M. M. (1998) Sect. (1
	 Nakazawa, and M. Negri, Eds. Association for Computational Linguistics, 2020, pp. 1–65.
4	T. Aldbardeh, A. Arkhangsrodsky, M. Biesiabka, G. Bejar, R. Chatterjor, V. Chandbary, M. R. Cotta-Fresh C. Fressia-Reast A. Fon C. Posterman
	 Adabarcida, A. Arkhangsroddag, M. Bieslabka, O. Bajar, R. Chaterjen, C. Chandhary, M. R. Coura-pank, C. España-Benet, A. Fan, C. Fredermann, M. Ferling, Combarn, R. Courdinever, B. Helsbork, U. Harrier, K. Hendler, C. Hennan, M. Hobel, K. Argyensah-Senkiyen, S. Sonal, D. Nilsubshik, K. Fatgh, T. Sport, P. Sonba, M. Lorany, C. Mann, M. Merfeldish, M. Maygar, A. Nigyarh, T. Mackoure, M. Megri, S. P. Li, A. Tayes, M. Tockil, V. Pyletis, and M. Zongrier, Trinfrings of the 2021 conference on a matheir translation (MMTZ): 16 Proceedings of the 2021

	No. 1 of Secretal St. Reviela O. Depte A. Develocità C. Pedermann, M. Philot T. Greedo. Condess A. Gorossilverschi, Bradess A. Sevelocità Pedess C. Depte C. Condess A. Gorossilverschi, Bradess A. Sevelocità Pedess C. Depte C. Fedess (d. 1982 and General St. Reviela St. Reviela C. Pedess C. Depte C. Pedess
[iei]	Yugue, T. Korni, A. Marrine, M. Morinkin, C. Mone, M. Nague, T. Nahazawa, M. Negri, A. Nivole, M. Sivose, M. Popel, M. Turchi, and M. Zampieri. Eds. Association for Computational Linguistics, 2022, pp. 1–45. 50. Oppil, C. Goo, V. Chaudhury, R. Chen, G. Wennels, D. Jaz, S. Krichlone, M. Ratano, N. Gorges, and A. Controlled Computer and Computer of Computer Science (Computer Science).
547	N. Orgini, C. Gros, V. Chandburg, P. Chen, G. Verrock, E. D., A. Erichten, M. Essatzo, D. Guardia, and A. D. A. The Place first of Procuration benchmark for the revenue cond-markings in random termination," <i>Procu. Assoc. Comput. Linguistics</i> , vol. 33, pp. 262–263, 2022. R. Bernott, E. Rikkeld, T. Lewanger, and S. Savon, "Chaldes comput of Efficient programments within follogism for mandate translation," Long. Brown Deshadow, vol. 55, no. 3, pp. 525–660, 2022.
[540]	vel. 55. fin., h., pp. 653–640, 2020. R. Nollagani, R. 2000., C. N. die Senten, C. Oldprine, and R. Xiang, "Abstractive test autumarization using requestorete-sequenter trans and begond," in Proceedings of the 20th 55002. Conference on Computational Picrosof Language Astrolog. CoNT. 2016. Artists, Germang, August 17-12, 2006, Y. Goldberg and S. Sentin, Dis. ACL, 2016, pp. 290–290.
isesi	 Namayor, S. B. Cohen, and M. Lapata, "Don't give me the details, just the summary topic-oware convolutional neural networks for extreme summarization," in PRAY. Association for Computational Licensistics, 2018. pp. 1797-1807.
[590]	F. Lachak, F. Durman, C. Carelle, and E. Moloowen, "Wildlingua: A new bondernark dataset for cross-langual abstractive summarization," in Follogic of the Association for Communication I Universities (FISM) 9700–9700, pp. 4374–4386.
 1987 1987	 Nove, E. Shih, A. Ramast, and R. Sobba, "Openduling: Explainable conversational reasoning with advertice benefit wides over knowledge graphs." In ACL I. Mosciation for transparational Linguistics, 2019, pp. 639–6384. Y. Lia, C. Li, Y. Wang, T. Zhang, R. Zhong, L. Zeedemoyer, S. W. Tab, D. Fried, S. L. Wang, and T. Tai, "Go-1006. A natural and reliable benchmark for data science code generation," <i>Code, vol.</i>, adm/2011.1101, 2022.
issa	Z. Wang, S. Zhwa, D. Tried, and G. Neahig. "Execution-based evaluation for open-
554	T. Noriankowski, J. Falornaki, O. Redfield, M. Collins, A. P. Ferikh, C. Alberti, D. Cpanini, L. Polorndehin, J. Devlein, R. Lee, R. Tonamoren, L. Jones, M. Welcoy, M. Chang, A. M. Tou, J. Undescoit, Q. Le, and S. Perron, "Marsand questions in best demants for question answering research," <i>Trans. Assoc. Comput. Linguistics</i> , pp. 423–465, 2022.
599	P. Clark, I. Criviney, O. Ezzioni, T. Khet, A. Sabhanwal, C. Schrenick, and O. Taljord, "Thick you have solved question enswering? try arc, the ASZ reasoning diallenge," costs, vol. John 1883, 1987, 2018.
SSS SSS	S. Liu, J. Höten, and O. Evram, "Truthfulige Measuring bow models minde human falsebooks," in Proceedings of the 60th Annual Shorting of the Association for Compositional Anguester (Poleum Lean Papers), ACM, 2022, Deaths, Worland, May 2027, 2022, 2022, pp. 2224–2022. 3. Horeata, A. Chee, E. Frodig, and D. Likeg, "Semantic quaring on freehoor from
15004	20-7. NOV., 2022. pp. 2314–2325. J. Servan, A. Chen, R. Frongia, and D. Liner, "Servant in partiage on Freshoot from operation assurer quality." In Proceedings of the 2021 Conference on Empirical Methods of Information Language Processing, ISSNID-2311, 20-22 Consider 2021, A Creat Algorithm (European Processing, ISSNID-2311, 20-22 Consider 2021, A Creat Algorithm (European Processing, ISSNID-2311, 20-22 Consider 2021, A Creat Algorithm (European Processing, ISSNID-2311, 20-22). Spirit Servant Group of Methods, 2023, pp. 1203–1244. Mr. A.C., 2023, pp. 1203–1244. Mr. John, C., Oxe, D. S., Wold, and L. Zeedemoper, "Triviage: A large scale filteratify."
[589]	M. [min, E. Oxe, R. S. Wild, and L. Zerberroper, "Triviage: A large scale filterarily supervised challenge dataset for realing comprehension," in Proceedings of the 50th Annual Research of the Association for Computational Application, ACS, 20T., Horseover, Conside, Aph. 370. August C. Walson: L. Long, Papers, 20T., (p. 1001–2011. V. Bide, K. Zellere, R. L. Erra, [. Gao, and E. Chel, "Phylic reasoning about physical commensumes in automat language," in The Thirty-Fourth AAAV Conference on
[560]	V. Jishi, K. Jishim, N. L. Fara, J. Gan, and T. Choi, "Phylic researching about physical communications in startard language," in The Thirty Grant Aud Conference or Artificial Intelligence And JUSES, The Prince Security Aud Conference or Artificial Intelligence Conference, And JUSES, The Treat Aud Spreparation of Activities of Associated Associated in Artificial Intelligence Conference, And JUSES, The Treat Aud Spreparation or Activities of Associated Associated in Artificial Intelligence (Aud States), and Aud Spreparation of Activities of Associated Associated Intelligence (Aud States), and Aud Street, Artificial Intelligence (Aud States), and Aud Street, and Aud Street, Artificial Intelligence (Aud States), and Auditor (Aud Street, Auditor (Aud Street, Auditor), and Auditor (Auditor), Artificial Intelligence (Auditor), and Auditor (Auditor), and Auditor (Auditor), and Auditor, Auditor, Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and Auditor, Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and Auditor, Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and Auditor, Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and Auditor, and
5613	M. Dulley, D. Batterjee, A. Abdelhavit, and J. Lebrason, "Loquad 2.0: A large dataset for couplest question association over relations and dispolar," in 2th Sensors, 1985. 2509: 2791-1780. International Sources 1980 Conference, Auchiland, New Zealand, Crasher 26-29, 2009, Proceedings, Fort VI, 2019, pp. 66–73. You, N. Wann, S. M. Soder, Claimer, X. Sirv, and Y. So. "Perved LLLD: three
	CHIANG AND J. AND J. PECCHANGE, B. PET A., 2019, pp. 409–18. Y. Gu, S. Kim, V. Wanni, B. M. Sodie, P. Liang, X. Sin, and Y. Su, "Reyard LLD: three levels of generalization for graveline converting us knowledge beam," in WWW 21: The 1990 Conference 2007, Physical Press! I. Juddjens, Glovenia, April 33–25. 2002, 2021, pp. 3477–3408.
562)	S. Can, J. Shi, L. Pan, L. Nie, Y. Shing, L. Hou, J. Li, R. He, and H. Zhang, "Khiy Ipric A distance with explick compositional programs for complex question amounting ever strended plane." In Proceedings of the EAM Annual Meeting of the Association for Compositional Augmento-Hobers I: Long Paperin, ACL 2022, Public, Problem, Edge 2027, 2022, 2022, 2022.
163	X. Hu, X. Wu, Y. Shu, and Y. Qui, "Lugical form generation via multi-trail horning for complex question assessming ever handwings bases," in Proceedings of the 29th International Conference on Computational Engineering, CCEANI 2012, Openagia, Augustinic of Norma, Ornales 12-17, 2022, 2022, pp. 1867–1686.
564	 Longere, Y. Lu, and J. Dulber, "MKQN: A linguistically diverse benchmark for malkfringual open domain quantion answering," Trans. Assoc. Comput. Linguistics, vol. 9, pp. 1389–1406, 2021.
560	T. Salibi, T. Ghasal, A. Mittal, A. Ebbai, and P. Bhattacharyya, "Sciencequi a noned resource for question amovering on utbolarly articles," for J. Bight. Ebc., vol. 23, no. 3, pp. 200–201, 2022. T. Mihaylov, P. Clack, T. Shor, and A. Salbarreal, "Can a salk of ormer conduct
[567]	T. Mikuylov, P. Clack, T. Sikot, and A. Solsharron, "Can a saik of sense conduct for the control of the control of the control of the control of the control of the control of the control of the control of the Solshar Orbitol S. J. Mercellor A. Sikot, 2014, pp. 2004–2011. T. Riguyen, M. Goomberg, S. Song, "Can S. Thoray, S. Myupande and L. Deng, "985
	Jedjans Cotsider 33 - Neversher A. 2006. 2016, pp. 2008-2023. 1. Rigores M. Jossenberg, E. Song, Guin, S. Tövary, M. Bajamader, and L. Brong, "Bit MASCA A Fational presented markine a reading for experience for indicates" in Proceedings of the Berkelshop on Capitalise Computation. Engagement passent and proceedings of the Berkelshop on Capitalise Computation. Engagement passent for proceedings of proceedings of the Berkelshop on Capitalise Computation. Engagement on Remark Agents and Capitalise Computation. Spatial Computation of Remark Agents and Proceedings (Systems (NAS) 2006). Exercision. Spatial. Exercision 2006.
11400	T. Shird, F. Clarik, M. Oseropian, F. Jansen, and A. Sakhiraval, "QMAC: A distanct for question acrossering via sentence composition," in the Polity-Fund Acad. Conference on admiral intelligence and 2002, The Princip control Innovative Applications of Artificial Enabligation Conference, and 2002, The Princip control Innovative Applications of Artificial Enabligation Conference, Local 2002, The Tenth Acad. Sprangeation on Enablicational Advances in Artificial Enabligation, EAAI 2000, New York, NY, DSA, Philmary V-32, 2000, 2008, pp. 8083–8090.
5806	 Rajperkor, J. Zhang, K. Lopyrev, and P. Liong, "Squad: 180, 000" questions for machine comprehension of test," in Proceedings of the 2000 Conference on Empirico Method: Natural Language Processing, SIANCE 2005, Aprils, Towns, USA, Natural ACM, 2005, 2005, pp. 1981.
530)	A. H. Miller, A. Fisch, J. Dudge, A. Korimi, A. Border, and J. Weston, "Key-value memory networks for directly reading documents," in Proceedings of the 2016 Conference on Empirical Methods in Natural Language Processing. EMNLP 2016.
(71)	 Doednick, Y. Rinn, D. Lin, and M. Salch, "Ranening the formal econory of generated test," in Proceedings of the 25th ACM SOCKED International Conference on Knowledge Discovery & Data Mixing, KSD 2819, Anchorage, AK, USA, August 4 6, 2019, 2013, pp. 664–751.
172	B. Toutanova and D. Chen, "Observed versus latent furtures for knowledge base as text inference," in Proceedings of the 3rd Hörichtop on Continuous Vector Space Models and clear Compositionality, CVSC 2015, Brighty, China, July 26-31, 2015, 2015, pp. 57–66.
[570] [574]	K. D. Bollacker, C. Dixon, F. K. Parlinols, T. Starge, and J. Taylor, "Treebase: a callaboratively creased graph distribute for instructuring busines knowledge," in Proceedings of the ACM SIGNAL International Conference on Management of Data, SIGNAL 2006, Management, Mr., Comada, Jane 20.12, 2006, 2006, pp. 1407–2520.
2018	Proceedings of the Text to School transfer Land to Engineer to Agriculture (1997), and the Company of the Compa
(575) (576)	G. A. MERKY "MOTORIC A RESERVE GREEKER FOR HIGGING," COMPANY, ACRE, \$9. 39-41, 1905.
	E. Ferreni, T. Rickshinder, S. Rickel, P. S. H. Lewis, A. Baldrán, T. Wu, and A. H. Miller. "Language models as haveledge bases" in Proceedings of the 2020 Conference on Superiod Methods in Natural Language Processing and on the International Met Conference on Natural Language Processing (and Orth Resembles) Met Conference on Natural Language Processing (IASOLP-3)CM2-23TH, Hong Eurog, China November 3-7, 2007, 2114, pp. 2402–2417.
577]	T. Mahdinohani, J. Singa, and T. M. Sachanek, "VACOX: A kenwindge base from mahlingual vidagedias," in Seventh Binnied Conference on Innoventive Cost, System Sciences, COM, 2015, Audomot, CA, USA, January 4-7, 2005, Online Proceedings, 2005. F. M. Sudharek, G. Kasseck, and G. Welskur, "Engos once of semantic knowledge,"
1579	3. M. Studsards, O. Estancia, and O. Welsham, "Tago, a cone of sensoratic knowledge," in Proceedings of the Inflamentation Conference in First Host March (2014), 2014, 201
(580)	Processing Brasseh, Belgiam, October 37 - Nivember 4, 2016. Association for Computational Linguistics, 2018, pp. 2989–2390. C. Glark, K. Lee, M. Chang, T. Kerlashovski, M. Collins, and K. Tostanova, "Rocky
	C. Clark, R. Lee, M. Chang, T. Dolenkowski, M. Colline, and R. Tonanome, "Booking Exploring the surprising efficiently of naturally point agentisms," in Proceedings of the 2015 Conference of the North Internation Chapter of the Association for Composition Linguistics of North Association for Compositional Linguistics Allerian Language Technologies, NALCA-WIL 2004, Minterceptiols, IAS, CSA, June 29, 2015, University Composition (Annual Linguistics), 2015, pp. 2334–2338.
	M. Sop, H. Boehkin, D. Chen, R. L. Brus, and Y. Choi, "Socialisps Communicense reasoning about social interactions," <i>CoRR</i> , vol. abs/1504.09728, 2016. R. Zollers, A. Holtzman, Y. Bink, A. Farhadt, and Y. Choi, "Holizmeng: Can a machine
503	 Zellers, A. Holzmars, Y. Bile, A. Farhadi, and Y. Cock, "Hellanvesp: Car a machine maily flatish your sertimon?" in Proceedings of the 75th Conference of the Association for Companional Englishins, ACL 2013, Thronos, July, July 27-Agapt 2, 2019, Holme T. Long Engers. A. Sentrona, D. R. Tanzas, and J. Marques, Eds. Association for Companional Linguistics, 2013, 3p. 4731-4001.
503	B. Johns, A. Holmann, Y. Bais, A. Farback, and Y. Coot, "Hullaroning Can a machine really faithly your settemore" in Proceedings of the 57th Conference of the Association for Computational Linguistics, ACL 2021, Timenes, July, July 24th, August 22, 2002. Follows: Long Ingener, A. Socherson, D. B. Timen, and J. Mirryen. Cit. Association for Computational Linguistics, 2013, pp. 3791–4400. K. Salaguich, E. E. Bais, C. Baigvorada, and Y. Chai, "Wanggunde: An adventural violence of actions and action and action," ACM, ACM, ACM, 1979, 2023, pp. 2012, 2012.
562) 560) 564	In Johnson, J. Dellar, T. Mark, A. Joshi, M. and T. Coo, "Historing Case studies," in Construction of the Computer Section of the Computer Section of the Computer Section of Computer Section (Construction of Computer Section o
581) 582) 580) 584) 584)	A. Differs, A. Differson, T. Sile, A. Intelle and V. Clos. Historing Cas analysis and Cas of Historiage Cas analysis and Cas of Historiage Cas analysis and Cas of Caspasses (Caspassa) (2012). Home and J. Sylvan, Eds. Intellege J. Sile and J. Sile and J. Sile and J. Sile and J. Sile analysis and Caspassa (2012). Analysis and J. Sile analysis and Caspassa (2012). Analysis and J. Sile and J. Sile analysis and Caspassa (2012). And J. Sile analysis and Sile analysis and A. Sile analysis analysis and A. Sile analysis analysis and A. Sile analysis
592) 594) 594)	A Solder, A Market S. Mark, A Land A. and C. See Millering Con and Market S. Market S. Market S. Market S. And A.
582) 582) 584) 584)	A School A. Market S. Mark. A Lond A. and C. See Millerer C. London S. Market S. Market S. Market S. And A.
582) 584) 584) 586)	A Solidar, A Marine T. Mari, A Tandi A and Y Go, Milleaning Consorting Marine T. Marin
582) 582) 584) 584)	A Solidar, A Marine T. Mari, A Tandi A and Y Go, Milleaning Consorting Marine T. Marin
	A School and Market Table A. Anniel and O'C. A
582) 582) 584) 584) 584)	A School A. Market C. Mark. A. Linde and C. Gov. Officered Con- trol and Con- trol Con
5500 5500 5500 5500 5500 5500 5500 550	A School A. Market S. Mark. A. Mark and C. G. Michael Control and
	A School Conference of Confere
	A School Conference of Confere
	A School A. Marchael C. Marchael A. (1997). Not Memory Construction of the Constructio
	A School A. Marchael C. Marchael A. (1997). Not Memory Construction of the Constructio
	A School of Marketine College (1998) and the
TOTAL CONTROL	A School Conference of the Con
	A School and Market Tellar, A Tools and 100 Central Ce
	A SEARCH AND ADMINISTRATION OF THE ADMINISTR
	A SEARCH AND ADMINISTRATION OF THE ADMINISTR
조리 프로 프로	 Jackson, A., Marchan, S. Lin, C., Anniel, and C. S. Collega, Ton Street, S. Garden, J. M. (2014). Jackson, A. L., A.
조리 프로 프로	A SEARCH AND ADMINISTRATION OF THE ADMINISTR

total	2020. Association for Computational Linguistics, 2020, pp. 1264–1369. X. Paig, K. Ba, M. Deben, J. Li, T. Wang, S. Tiddes and A. Torrukus, "Virtualiborate: Detailating bounded distriction via prospinent," in CVPR. Computer Vision Presidents (IEEE Computer Color), 2020, pp. 698–692. Terindation J. Part Z. Computer Color, 2020, pp. 699–692.
[687]	Stendarling bousehold orbitilis via programs." In CPTE. Computer Tales: Translation JEEE Computer Society, 2005, pp. 8094–8582. S. Srivanson, C. Li, M. Lingelbach, E. Martin-Martin, E. Xia, K. E. Valnio, Z. Lian,
pert	Freedrick III EE Compare from (SIR Exp. 884–884). Softwares, C. H. M. Lingsland, K. Harbert Sarin, E. Sha, E. L. Wald, Z. Lina, C. Gatzerra, S. Bard, C. K. Lin, S. Sommon, H. Oroma, J. Wan, and L. Forlie, "Elizabilities benefind for reverging branched cloudies in Vision and Larreston, "Elizabilities benefind for reverging branched cloudies in Vision and Larreston, "Elizabilities benefind for reverging control clouds and control and the second clouds and the compared by the control of the compared clouds of the Compared control for the Compared control for VIII Elizability and the Compared control for the compared ground control clouds and the Compared control for the Compared control for the Compared control for the Compared control control for the Compared control for the Compared control for the Compared control control for the Compared control control for the Compared cont
KRN	
NOO	M. Shrishler, X. Yuan, M. Clob, Y. Riok, A. Tristeller, and M. J. Hauskerschr, "Allowath: Allgaing text and embodied environments for interactive learning," in 5th Journal of Conference or Learning Representations, ICL 2027, Primar Erser, Astron. May 57, 2022. OpenBerler et al., 2022. S. Yua, H. Chen, J. Yong, and K. Kustonishan, "Mebodage Towards scalable real-world.
(611)	 Yao, H. Chen, J. Yang, and K. Nanosimhan, "Mobeling: Towards oxidable real-world web interaction with grounded language agence," in AlexPNS, 2022. Xieng, Y. Gu, B. Zheng, S. Chen, S. Servern, B. Wing, H. Sun, and Y. Su, "Mindfowth: Towards a generalize agent for the web," Cells, vol. htm200600978, 2023.
N023	W. H. Ozer, R. Breighten, N. Tepin, R. Wang, C. Cudel, M. Velese, and B. Salakhardinov, "Blast! A large-sole states of interested demonstrations," in Proceedings of the Prescry Epidem International Information and International Intelligence, 2014 2015, Manua, China, August 19-16, 2019, S. Roses, Ed Qualitary, 2015, pp. 244–2448.
8538	 Fan, G. Wang, T. Jiang, A. Mandielou, Y. Yang, H. Zhu, A. Tang, D. Huang, Y. Zhu, and A. Anandhouma, "Mandinjo: Dollding open-ended embodied agents with intermet-code beowiedge," in New NYS, 2022.
[664]	R. Lu, L. Qiu, K. Chang, Y. N. Wu, S. Zhu, Y. Rajpurobit, P. Clark, and A. Kalpuro, "Synamic prompt isourning in policy gradient for neuri-structured tradhematical reasoning," CoRR, vol. abs/22051-0600, 2022.
803	 Zhong, K. Zhou, X. Wei, W. X. Zhao, J. Suo, S. Wang, and J. rong Wen, "Evaluating and improving tool-agreement computation-interactive math reasoning," CoSE, vol. abs/2306.02408, 2023.
[696] [677]	R. Yang, L. Song, Y. Li, S. Zhan, K. Gu, X. Li, and Y. Shan, "Optimized: Touchking large language model to use tools via self-currenties," Culify, vol. ask(2006, 1972), 2022. S. G. Parli, T. Zhang, X. Wang, and J. E. Gorender, "Gerfüle: Large language model connected with massive apple," 2029, vol. abs/2255.33594, 2022.
KoN	convented with memoir egist, CoMA, red, abs/28513344, 2023. WY TSA, Michigardian, C. Holes, M. Canga, and J. Wai, The Sub-of consuscing pare- liabeling for lax mediagly last or question amounting. (In Proceedings of the 18th Annual Memoir of of the association for Computational Englandian, CAL 2004, August 7–622, 2015, Berlin, Correccing Volume 2: Short Augent. The Association for Computer Linguistics, 2019.
10091	H. Poerrio, G. G. Sahlar, and I. Garveych, "Metaqu: Combining expert agents for maki-telli question asservating," in Proceedings of the 73th Conference of the European Cologon of the Association for Computational Linguistics, EASL 2022, Indexwords, Crossis, 20th 2-6, 2022, A. Tärches and J. Augenstein, Eds. Association
lesol	on companions congrature, color, pr. 1000 to 1000. Finings and Palary, Corresponding newarity printing on sinel-structured rather, in Proceedings of the Set Amendment of the Amendment for Companions Configuration and the 7th International plant Configure on Natural Language Processing of the Asia Federation of Natural Language Processing ACL 2015, pp. 507–508. Softy, Chem. Public Language Processing ACL 2015, pp. 507–508. Softy, Chem. Public Language Processing ACL 2015, pp. 507–508. Softy, Chem. Softy, Chem. 2016. Softy Chem. Softy Chem. 2016.
[621] [621]	W. Zhang, G., Xiang, and R. Kocher, "registal Generating grounded queries from natural language using reinforcement learning," Cale Sci., 104, hep-th/96100102, 2007. W. Chen, H. Ming, J. Chen, Y. Zhang, H. Wong, S. Li, X. Zhou, and W. Y. Ming, Tableton, J. Reposted dissense for extracted-books fast restricted resin," in 26th Jensemational Conference on Learning Representations, NLES 2007, Addito Alpube, Ethipses, April 20-20, 2020. Colon, 2020. Open Septemberson, 2020.
[623]	70. 2001. Open Environment, 2001. This R. Zhang, and D. R. Ender, "Spiller A Large stab I have a behind to amount or complete and consortium to amount for complete and consortium to amount for complete and consortium to amount for amount for amount for any factors and equilibrium." In Proceedings of the 2004 Conference on Empirical Heindel in National Language Processing, Proceeding, Principles, 2004, 2004. Conference on Empirical Heindel in National Language Processing, Principle, 2004, 2004. Contact 3. November 2004. Edited, 10. Chinary, Elinchestration and J. Heigl. 2006. Association for Compensational Language, 2008, 2009.
Host	D. Bahdonara, K. Cho, and S. Bengio, "Neural machine translation by jaintly learning to silgn and translate," in ACLE, 2015.
[625]	K. Pagiaseri, S. Burkon, T. Würel, and W. Zhu, "Blea: a method for naturated enhancion of machine mondator," in Proceedings of the 46th Annual Meeting of the Americans for Computational Linguistics, July 6-12, 2002, Polantophia, DA, USA, ACX, 2002, pp. 211–216.
HON	CY. Lin, "BOUXD: A package for automatic evolution of numerics," in Text Summerication (Insection Unit. Association for Computational Linguistics, 34, 2004, pp. 74–84.
627 628	W. Jian, W. Wang, Jt. Huang, X. Wang, and Z. Tu, "In charger a good translator? a preliminary study," orbit preprint arXiv:2391.08745, 2023.
K29	T. Zhang, E. Ladhal, E. Domesi. B. Lling, K. R. Nelfoven, and T. R. Hashimoto, "Benchmarking long language models for news summarization," C45%, vol. abs/2001/15484, 2023. T. Goyal, J. J. L. and G. Domest, "News summarization and embastion in the em of
1000 1000	T. Gogod, J., L. L., and G. Lourest. "Never summarization and enduation in the era of GFO-3", "GRAR" of sinh/2020 (1255), 2022. S. Ordermann, E. Clinck, and E. Pellen. "Reputing the coucked foundation: A survey of wheelers in evaluation precisions for generated text." CMRE, vol. abs/22020/0955, 2022.
[631]	2002. J. Wang, V. Liarg, F. Merg, H. Shi, Z. Li, J. Xu, J. Qu, and J. Zhou, "In charger a good NLG crohasser? A preliminary study," CuRe, vol. abs/2202.04048, 2023.
lond	Y. Liu, D. Ber, Y. Xu, S. Weng, R. Xu, and C. Zhu, "G-eval: NLG evaluation using GPT-4
[623]	was never rannin aggresses, colon, vol. ann. 2023, 1000, 2023. K. Yong, Y. Was, P. Nego, and D. Kille, vol. Generating language studies with instantion representating and revision." In Proceedings of the 2022 Conference on Improving Mechanics National Computer Section of Statest Computer and Americans, Discording Pala, 2022, pp. 488–498. United Arts Americans, Discording Pala, 2022, pp. 4880–4981. M. Anoutistics for Computational Linguistics, 2022, pp. 4880–4498. W. Zhan, S. E. J. Lings, P. Cull, T. Wings, Z. Xion, Y. Eller, B. Collettine and M. Seithan.
lessi	W. Zhou, S. E., Jiang, P. Cai, T. Wang, Z. Xiao, Y. Huu, B. Cotteredt, and M. Sachana. "Secureting of Interesting generation of dealth artifyl long least: Cooks, vol. abs/2003.1503.2503. S. Goldward, O. Policare, and R. Single, "Program syncholist," Found. Presult Program. Long, vol. 4, no. 3–2, pp. 1–113, 2007.
kost	S. Zhang, Z. Chen, Y. Shen, M. Ding, J. B. Temmbrann, and C. Gue, "Homing with large language models for code generation," 2023.
(627) (638)	M. Volksh, "The end of programming," Commun. ACM, vol. 66, no. 1, pp. 34–35, 2023. Y. Sinng, S. Collymorliger, N. Lee, W. Dul, 10, Su. B. Ville, H. Leverina, Z. J., T. Yu. W. Chang, G. V. D. T. Xia, and J. T. ang. "A multipolar problemgal," confirmed and author of charge on monetaing hall activations, and interactivity," CoSP, vol. 461(2020–2012), 2021.
kasi	residuation (v. 1-00), i.e. and 0.1 (1.0), it is an anti-action decision of interestivity, "OSP, vol. obst2002-04423, 2003. In the control of
15401	with rubust human evaluation," Calift, vol. abs(22):20061, 2022. A. R. Fidderi, W. Prystinski, H. McCaue, C. Xhang, R. Socher, and D. R. Fader, "Summonfolio-evaluating numeraturation evaluation," Trans. Assoc Comput. Linguistics, vol. 5, pp. 391–499, 2022.
[641]	 Tang, H. Lu, Y. E. Jiang, H. Haang, D. Zhang, M. X. Zhao, and F. Wei, "Not all metrics are gailey: Improving NLG evaluation with LLM pamphrasing," Calif., vol. abs/1206.15047, 2021.
1943	X. Mong, X. Tang, W. X. Zhao, J. Wang, and J. Wen, "Bethinking the evaluation for conversational reconsensation in the era of large language models," <i>CoSS</i> , vol. 68s(2008.1012, 2003. M. Gao, J. Essan, R. Sun, X. Yu, S. Yang, and X. Wan, "Staman-ideo cummarization
844	M. Gao, J. Shan, K. Sun, X. Yin, S. Nong, and X. Mon, "Blammo-Like numerarization constants in which changes," Code, void. 14, 2020-000554, 2020. Y. Ji, X. Geng, Y. Peng, C. Shi, P. Sen, O. Tern, S. Ma, and S. Li, "Exploring changes's ability to read content: A preclaminary study on constituting with human preferences," Code, void, 40, 2020-2020, 2020.
[66]	gredereness, "CaML vol. abs/2003.0030, 2023. V. Bal, J. Ying, Y. Cao, X. Liv, X. He, X. Wong, J. Yu, K. Zeng, Y. Xiao, H. Lyu, J. Zhang, J. U., and L. Hou, "Seechmanking foundation models with language-madel-so-arrouncinism," (2009, vol. abs/2015/64441, 2023.
1940	osansines," CoSP, vol. abs/2306.84881, 2023. Y. Liu, S. Feng, D. Wang, Y. Zhang, and H. Schötzer, "Dealaste what you con't evaluate: Dearsemodule generated responses quality," CoSPI, vol. abs/2205.34658.
[647]	2023. Nong, L. Li, L. Chen, D. Zhu, R. Lin, Y. Cao, Q. Liu, T. Lin, and Z. Sui, "Large language models are not fair-ovalurators," CoSP, vol. abs/1206.17928, 2023.
15410	 Yu. X. Chen, N. Su, C. Zu, Z. Shao, S. Liu, Y. Cui, Z. Zhou, C. Gong, Y. Shen, J. Zhou, S. Chen, T. Gai, Q. Zhang, and X. Zhoung, "A comprehensive capability analysis of gpt- S and gpt-3-5 series models," arXiv preprint arXiv:2300.10420, 2023.
1000	M. Hi-Claskey and N. J. Cahen, "Catastruphic laterforence in connectionist networks: The sequential learning problem," in Psychology of Intraling and reactivation, 1861, pp. 909–966. R. Emiller M. McChen, A. Addison, T. L. Biryen, and C. Kinana, "Messenting
K21)	ARCHARDAN, 1980, pp. 2009-200. R. Kembell, W. M. CZORON, A. Abdriso, T. L. Bryen, and C. Kraine. "Manuscring catavirophic longitating in resent networks." In Proceedings of the 2004-270, 2009-2009. AAAC Conference on Aprilied Servedings, AAAC Conference on Aprilied Servedings of the 2004-280, 2009-280, 2009-2009-2009-2009-2009-2009-2009-2009
(682)	(Cont.) And App. App. 2007. USE A Conf. App. 2007. Con
1073	Empirical Methods in Natural Language Pracessing, JANNE 2023, Online, November 16-33, 2020, 3222, pp. 1448-1643. G. Laucard, P. S. H. Lorek, M. Lorenti, L. Haussini, E. Petrani, T. Schick, J. Devivedi-Yu, A. Jodan, S. Buckl, and C. Coren, "Two-slot intenting with retrieval suggreened language methods" Codds. vol. 4402-18603029, 2022.
[654]	K. Guu, K. Lee, Z. Tung, F. Pasupar, and M. Chang, "Betrieval augmented language model pre-training," in Proceedings of the 27th International Conference on Machine
10001	 S. H. Levis, T. Perez, A. Pálona, T. Petrez, Y. Karpadolas, N. Goyal, B. Körzler, M. Levis, W. Yib, T. Rocksinchel, S. Biedel, and B. Dalak, "Betrieval exgravated generation for humologic advantage NLP tasks," in Advances in Named Juffernstein Processing Systems, 3. Annual Conference on Present Enforcement Processing Systems 2020, PresNPS-2020, December 2-12, 2020, Virol. 2021.
(656) (677)	Y. Lau, G. He, J. Jiang, J. Jiang, W. X. Zhao, and J. Wen, "Complex knowledge base
	quotina movering A carvey's Cold, vid. abs/1816668, 257. Experient, A. Kallium G. van den freedenske, L. (expirat. B. Elburn, C. Lobel, S. et las Coles, A. (Vid.). Service of the freedenske, L. (expirat. B. Elburn, C. Lobel, S. et las Coles, A. (Vid.). Service of G. Lorrigh, E. Videl, S. Olderfor, S. Elburn, Videl, Videl, D. Elburn, S. Lorrigh, E. Videl, S. Olderfor, S. Elburn, Videl, Videl, S. Olderfor, S. Elburn, Videl, Videl, S. Elburn, S. Lorrigh, C. Videl, S. Olderfor, S. Elburn, V. S. Olderfor, S. Elburn, V. S. Olderfor, S. Older
ions	2360. S. Xu, L. Fareg, H. Shen, X. Cheng, and TS. Chen, "Search-de-Ob-chule: Twenrob-occustar, credible and traceable large language models for learn-ledge internetive collect." CMSL vol. abid 2014.11 27(2), 2015.
[629]	 Feng, M. Galley, P. Ho, H. Cheng, Y. Xie, Y. Hu, Q. Haang, L. Liden, Z. Yu, W. Chen, and J. Gue, "Check-year faces and try again: Improving large language models with the control of the control of the control of the control of the co
losol	enternal knowledge and automated feedback," Cullif, vol. abs(2002.13813, 2023. Z. Jiang, E. E. Xu, L. Geo, Z. Sun, Q. Liu, J. Deviveds Yu, Y. Yang, J. Cullars, and G. Neubig, "Active retrieval augmented generation," Cultif. vol. abs/2303.00303, 2023.
[661]	2025. L. Hazang, H., Yu, W. Ma, W. Zhong, Z. Fung, H. Wung, Q. Chen, W. Pung, X. Fung, B. Qiu, and T. Liz, "A survey on half-actuation in large language models: Principles, successing, challenges, and open questions," CoRS, vol. abs/2311.07232, 2023.
[663]	tenumer, Caldenge, and open positions "Cell Visi Bacilli (1922). 2021. "LLI YOLK De Jan (1942) West W. The Bacilli (1942) To Thousand policy in Indianation in Supri Teles in Supri per solid." Cell Visi Cell Visi Bacilli (1943) To Thousand De Jan (1944) To The Supri Cell Visi Cell Visi Bacilli (1944) To The Supri Cell Visi Bacilli (19
[664]	J. Jierobawe, J. Serrelan, S. Sarwe, L. Lordi, K. Fidesam, C. Olione, S. Ragge, D. Aresdot, T. R. Sarwer, Clark, N. Joseph, S. Jalens, S. Schradth, A. Olisk, and J. Supley, "Language models framely-laren what they know? CellSV visit J. Sarwer, C. L. Sarwer, C. L. Sarwer, C. Lordin, and J. S. Lander, "Exchange of the Conference on t
1903	America (1984), 2021. Algerout, J. Oshay, V. Holern, M. Bernelen, G. Bernelen (2) begins, G. Brechman, M. bernelen, G. Daver, S. Bernel, S. Bernelen, S. Bernelen, S. Hart, S. Z. A. Bernelen, G. Daver, G. Daver, S. Bernelen, S. Bernelen, S. Hart, S. Z. A. Shirlende, D. A. Shirlende, A. Speech, College, W. Charles, M. Serber, S. Bernel, A. Shirlende, D. A. Shirlende, A. Speech, Charles, G. Bernelen, S. A. Shirlende, A. Daver, S. Bernelen, S. A. Shirlende, S. Daver, S. Bernelen, S. A. Shirlende, S. Daver, S. Bernelen,
1980	E. Vis, W. Zaronika, S. Zhao, W. Zhać, and B. Zoph, "Charger phagins," Operad Hog, March 2023. A. Lazanifera, E. Gebrendaye, W. Szekowior, and N. Grigorov, "Internet-sugmented language models drough few-short prompting for open-domain question converting," CMS, vol. doi:10.2001/11.3.2022.
[667]	Imageage models decoupl for other prompting for spen-domain quorism erspecting; Culk, vol. abs/Col0113, NOZ. B. Qian, Y. Zhu, Z. Dou, B. Gu, X. Zhang, Z. Liu, R. Loi, Z. Cao, J. Nie, and J. Men, "Wellbrain: Learning to governo formally convent articles for question by grounding on large with corporar," COSP, Vol. abs/COSP, 4053, Co.
1000	 Liu, J. Jin, Z. Wang, J. Cheng, Z. Dea, and J. Wen, "RETA-LLM: A retrieval- ongmented large language model toolins," CoRE, vol. abs(1308.05312, 2023.
losol	B. Ool, L. Dong, Y. Hao, Z. Hui, B. Chang, and F. Wol, "Monebody: neurons in permittander transformers," in Proceedings of the 66th Annual Memoring of the Association for Computational Linguistics (Poliume 1: Long Papers), ACS, 2022, Italia, Iroland, May 22-07, 2022, S. Marrenas, R. Noleov, and A. Villardormole. Eds. Association for Computational Linguistics, 2022, pp. 4945–4020.
[671]	K. Meng, D. Ban, A. J. Anderstan, and Y. Deltakov, "Locating and eliking factual and calculate in age," in Advances in Neural Information Processing Systems, 2022, M. Geon, E. Kalvarre, J. Jearst, and G. Lang, "Introductures feed Systems Report are Insyrable neuroscies," in Proceedings of the 2022 Conference on Empirical Institution in Neural Anapage, Processing, ISANS Syst., "From Elizary Filmer Cana, Developes, Apage 802, 7-11 Neverther 2021, N. Marent, X. Hazar, E. Specia, and S. W. Tab, Eds. Anapage 802, Part Systems, Anapage 802, 2021.
873	Tob. Association for Comparisonal Linguistics, 2021, pp. 5484–5495. Y. Yao, P. Wang, B. Tian, S. Cheng, Z. Li, E. Deng, H. Chen, and N. Zhang, "Ediking language models troublens, methods, and opportunities," CoRP, vol. abstrato. STRT2, 2023.
(673)	P. Wing, N. Zhang, S. Xie, Y. Yao, B. Tian, M. Wing, Z. Xi, S. Cheng, E. Liu, G. Zheng, and H. Chen, "Looyedi: An easy-to-use knowledge editing framework for large
HOSE	Imguage models," CoRR, vol. alos 2080.07209, 2022. Z. Shov, T. Gong, Y. Shov, M. Haleng, N. Doux, and W. Chen, "Synthetic prompting denorating balan of thought demonstrations for large language models," CARS, vol. abstracts of only. 2023.
[675]	Silaforar, M. Singh, V. S. B. and N. Malniya, "Mind meets machine: Unmwilling gpo- dy countries more below?" (n.BF and abs/1700 t MSC 2001)
R254	M. I. Nye, A. J. Anfersones, G. Ger-Art, H. Michalemák, J. Analin, D. Bieber, D. Delher, A. Levikovycz, M. Essina, D. Louis, C. Stalins, and J. Odera, "Bloom year works screenings for intermediate energiatories with language models," cology, vol. abidi313,00014, 2021. 3. Colon, R. Wang, Y. Li, S. Li, and Y. Yan, "Limbardoom of language models in
H286	J. Olem, H. Weng, Z. H. S. Li, and X. Yun, "Limitation of language modulisis inframetric and public landarians", Out, and Juni22018/057, 2022. W. X. Zhan, K. Zhou, Z. Gung, B. Zhang, Y. Zhou, J. Yun, Z. Chen, S. Wang, C. Liu, and J. Wen, "Lundring: A chinese per council language moduli for multi-emissional problems understanding," in 2017 227, Tool 2021, 407 202100 Engineers on Schwedige Almonym and Seas. 2018, 2018, 2018. Seas. Seas. Conference on Conferen
p(29)	Monomey and Data Mining Washington, S.C. (SA, August 16 - PA, 2022, A. Dhang and Ill Empression, San. And 20, 2022, p. 6471—685. Q. Wong, C. Sollangh, and J. Urban, "Their experiments on the neural mendation of informal in formation and mentancial," in Residence Compared Anthronicies - 11th International Conference, COLV 2018, Expending, Astrolic, August 13-72, 2018. Proceedings on the Lecture Wisers in Competer Selemen. E. Balle, W. M. Farranci, G. U.

[81]	Passmore, and A. Vaussel, Eds., vol. 1996. Springer, 2018, pp. 255-270. S. Polo and J. Sublever, "Generative language modeling for enterested theorem.
	S. Pols and L. Stalsever. "Orientalive Tanguage modeling for entorested theorem. profile," Cells. Vol. shield/000 03593, 2020. A. O., Jiang, W. L. S. Purcelsweids, K. Cardinondsi, T. Odrzygódzi, P. Márs, K. Tell, and M. Janzik, "Ther: Widdlig hammers to Insegrate larguage models and summand theorem process", Odd, No. Jahley Ed. 18603, 2022.
903	 Pols, J. M. Han, K. Zheng, M. Baloyy, I. Babuschkin, and I. Sunkover, "Termal mathematics statement controllan learning," Cell R, vol. abs/2302.01344, 2022.
(40) (44)	Y. Wu, A. Q. Jiang, W. L. M. N. Staller, C. Staats, M. Jimmelk, and C. Siegelyl. Vorasformalization with large language madels. "Guld, oc. July 2016; 1505; 2022. A. Q. Jiang, S. Welleck, J. P. Zhou, W. L. J. Liu, M. Jimmelk, T. Larrocke, T. Wu, and G. Lample, "Units, abects, and prove. Gulding formal theorem provises with informal provision," Cody, Vor. 4800(2012)338, 2022.
(40)	G. Lample, "Units, blocks, and prove. Golding formal theorems provines neith- informal provint", "cody," vol. desic(201238), 2022. A. Mohalen, W. Tandon, P. Ougha, S. Rolliman, L. Dan, S. Minger, E. U., Allen, N. Dari, S. Prakhamany, Y. Emag, S. Wirled, E. P. Rollyander, G. Ougha, A. Nacharladderh, and R. Clark, "sidd-refuse threatment with self-feed-fascis," (2012), vol. doi:10.1016/j.0013.
#79	N. Shire, B. Labash, and A. Gophank. Steffendors on nationament agent with dynamic memory and self-reflection." Cold. vol. abs/285121866, 2025. Z. Gue, Z. Shan, Y. Gung, Z. Shan, Y. Ling, M. Dana, and W. Chen, "CRITTC: large language models can self-current with tool-interactive critiquing," Colds, vol. abs/2026.1179, 2021.
38S	inagongs models can self-current with look-intercentive critiquitags "Golde, well absoluted 11348, 2021. J. Wanton, N. Rushmann, R. Korman, H. E. Song, N. Y. Singel, L. Wang, A. Creawell, G. Treing, and J. Higgins, "Solving must wood problems with process- and contemns— based Seel-Book," Code, Vol. 40, 2021, 12675, 2022.
100	G. TETING, BIRG L. TEIGERS. "GOVERN; BIRKS WORD SPECCHES WITH SPECCHES AND CHESTRATE A
300)	Z. Yaan, H. Yoan, C. Tan, M. Wang, and S. Haong, "How well do large language madels werkers to arithmetic today?" CASP, vol. abs/2304-02015, 2021
(81)	X. Pi, Q. Liu, B. Chen, M. Ziyadi, Z. Liu, Q. Fu, S. Gao, J. Lou, and W. Chen, "Resourcing like program executors: in Proceedings of the 2022 Conference on Dispution! Methods in Neural Language Processing, IEMPS 2022, Also Ababi, United Arab Januaras, December 2-11, 2022, 2022, pp. 761–779.
H2	JANUAROS, INFORMEN 1-13, 2022, 2022, Dp. VH. 1798. II. 22004. A Norm, III. Larcechalle, A. C. Courvelle, B. Nepshashar, and H. Sonfpin, "Resolving algorithmic reasoning via its content learning," (2002, vol. abs/2211.09906, 2022. A. Parisk, V. Edon, and M. Fiedel, "TAJAM tool assumerered lanceuser models," (LARK.
204	A. Paridi, Y. Zhao, and X. Paridi, "FALM: tool augmented language standes," CARA, vol. absc/2006. 5258, S. 2012. W. Hanng, E. Abbeel, B. Parhali, and I. Mondarch, "Language models an zero-shot planners: Extracting automatile lexes-sledge for embedded agencs," in EALL, ser. Proceedings of Patholine Learning Internet, Vol. 102, 102, 102, 2021, pp. 511–5147.
90	T. Carra, C. Roman, T. Wolf, S. Lamprice, O. Signad, and P. Oudeyer, "Grounding large language models in interactive environments with online relationcement learning," Cod8, vol. abs/2003.05861, 2023.
1879	X. Zhu, Y. Chen, H. Tian, C. Tan, W. Su, C. Yang, G. Haung, B. Li, L. Lu, X. Wang, Y. Qiao, L. Zhang, and J. Din, 'Choix to five interactift: Generally equable agrant for species writin development via hieraping model with introducted incredelige end memory." CoRM: A BIOCESS-1714, 2023. G. Wang, Y. Xiao, Y. Ring, A. Mincelleke, C. Xiao, Y. Zha, L. Fan, and A. Avandifazino,
1800	G. Wong, Y. Xia, Y. Ziang, A. Mondelske, C. Xian, Y. Zia, L. Tim, and A. Amushiman, G. Giogger, an Angenyadian related single-single single-single
580)	I. Solling, S. Leeb, C. Corrado, C. Liu, L. Liu, C. Consider, F. Parsine, J. Quantico, S. Bark, J. Solling, Silvan, S. Deper, D. Sermann, S. Leeb, S. Leeb, A. T. Toller, V. Yandhoudka, E. Jah, S. T. Zhao, P. Zhu, S. Xu, and M. Yan, "Solven Consult and solven development," <i>Colling via Academic College</i> , via Academic Proposition of the Consultant State of the Co
(90)	 Po, H. Peng, T. Khot, and M. Lapota, "Improving language model negotiation with self-slav and in-connect learning from Af freehasts," CORS, vol. abs/2001.10042.
7813	St. Nieha, M. Tersel, R. E. Sanz, S. Deng, A. H. Assadallah, and J. Kheless, "Improving grounded language understanding in a Onlinkon five environment by interacting with agents always help forefoods," Collis, Vol. 404/2054 (1978), 201
102	 G. Fatil, T. Zhang, X. Wang, and J. E. Gonzoles, "Gurilla: Large language model connected with massive apis," <i>CoRR</i>, vol. abs/2385.3534, 2823.
700) 784)	 Hao, T. Liu, Z. Wang, and Z. Hu, "Toolkenger: Augmenting frozen language models with mustake tools via tool embeddings," CuRR, vol. abs/2305.11554, 2023.
113	Y. Liang, C. Wu, T. Song, W. Wu, Y. Xin, Y. Liu, E. Cu, S. Lu, L. J., E. Men, E. Weng, L. She, J. Geng, and K. Dane, "Trainstration: Completing casis by connecting foundation neededs with millions of ages," <i>College</i> , vol. 4003201 (1912), 2023. T. Cui, X. Weng, E. W.A., S. Chen, and B. Zhou, "Impge language models are col- misters," <i>Cells</i> , vol. shi/2026, 1713, 2023.
rest	3. House, S. S. Gu, L. Hou, Y. Wu, X. Wierg, H. Yu, and J. Han, "Large longuage models
*4	E. Beschige, C. Faurrier, N. Balaki, S. Han, N. Lanbert, N. Eajani, O. Sazarviero, L. Paurali, and T. Wolf, "Open Em insiderboand," https://hoppingface.co/spaces/kupgingface#i/open_lbm_leaderboand. 2022.
red	W. Zhang, B. Cui, Y. Guo, Y. Liang, S. Lu, Y. Wang, A. Saind, W. Chen, and N. Duars, "Agieved: A human centric benchmark for evaluating fromfation models," GWR, vol. abs/2304.80304, 2023.
789	H. Zeng, "Measuring massive multitask chinese understanding," CaRR, vol. abs/2304.12806, 2023.
	C. Lim, H. Jin, Y. Fen, L. Yu, T. Dong, X. Peng, S. Zhang, J. Peng, D. Zhang, Q. Liyu, X. Su, Q. Liu, and D. Zhong, "PSSEZ: A massive mold-level mold-sodge: knowledge exhibition benchmark for chinese legic language models," CASS, vol. abs/2003.10003, 2003.
21	Y. Bitang, Y. Bui, Z. Zhu, J. Zhang, J. Zhang, T. Su, J. Liu, C. Liv, Y. Zhang, J. Lei, K. Fu, M. Sua, and J. Be, "Cerul: A multi-level multi-distipline chilene evaluation rate for foundation motion," CoSS, vol. abs/2025.09222, 2023. Z. Gu, X. Zhu, H. Yu, L. Zhang, H. Weng, S. Dieng, Z. Xieng, Z. Li, O. He, B. Xu, W. Haine,
nos nos	Z. Gu, X. 25x, H. Ye, L. Zhang, J. Wang, S. Jiang, Z. Xiang, Z. Li, Q. He, B. Xu, W. Hoang, W. Zheng, M. Teng, and T. Xiao, "Steinh An ever updating benchmark for holistic domain incoding evolutions," color, vol. abschloss 1878, 2023. O. Cuenthezon, "Opencompan: A universal evolution planform for foundation
794	 Consideration, "Openiorispace A trabitional involuntian planfarm for foundation models," https://github.com/InternAll/Openiorispace, 2023. T. Es, C. Ou, M. Chen, Y. Wes, H. Yang, and X. Noot, "Distinct-thought hade A continuous official to receive a large language models" resorting performance," 00(9), vol. 40(2003) 27708, 2023.
19	COSP, Vol. deloCD39.17798, 2033. 3 Yu. X. Wong, F. Yu, S. Cun, G. Zuang, R. X. Yu, H. Pang, Z. Yao, X. Zhang, H. Li, C. Li, Z. Zhang, Y. Zhu, Y. Liu, X. Xu, N. Liu, X. Yu, L. Gong, J. Chen, Z. Wu, X. Çu, W. L. Y. Cour, X. Zung, J. Cun, J. Liu, X. Xu, N. Liu, X. Yu, Y. Cour, X. Zung, J. Liu, X. Liu, X
34	T. Savenia, D. Paleira, A. Hovrilla, P. Todepalli, P. Videc, A. Romine, J. J. Nay, K. Guyta, and A. Komarsonski, "ARE: advanced reasoning less human for large language models," collect, collection of present and present collections.
17]	Y. Peng, S. Li, W. Gu, Y. Li, W. Wang, C. Guo, and M. R. Lyu, "Revisiting, benchmarking and englating AFI recommendation: How for are we?" <i>IEEE Trans.</i> Software Dog., vol. 49, no. 4, pp. 3978–1897, 2023.
20	M. Li, F. Song, B. Tu, B. Tu, Z. Li, F. Huang, and S. Li, "Api-basic A benchmark for non-numerosed line," OARS and abs/2004.0024. 2021.
20]	Q. Tang, Z. Deng, H. Lin, X. Han, Q. Liang, and L. San, "Toolinipses: Generalized cool learning for language models with 3000 size about cases," CoSA, vol. 404(2004)62003, 2003. Q. Xu, F. Hong, B. Li, C. Tin, C. Chen, and J. Zhang, "On the cool manipulation capability of speriocure large language models: "CoSA, vol. abs/2005.19046, 2023.
21]	ciquilility of isper-source longs language models; "DAS, vol. inic2815, 1886, 1885, V. Qir, S. Liang, Y. Yu, K. Ziu, L. Yun, Y. Liu, X. Cong, X. Tang, B. Qian, S. Zhao, R. Tian, R. Xiu, J. Zhoo, M. Gerseller, D. Li, X. Liu, and M. San, "Stodies: Excilinating large language models to master \$6000- real-world spile," CoSP, vol. absti2001, ICOS 2023.
22]	2022. Z. Liu, W. Soo, J. Zhang, L. Xue, S. Helsedo, R. Namby, Y. Feng, Z. Chen, J. C. Nielles, D. Angli, R. Xu, P. Shil, H. Wing, C. Xiang, and S. Swarene, "MCAN benchmarking and enthertrating lite-sugmented autocurous agencs," <i>CoRR</i> , vol. abs/2308.0960, 2023.
23	X. Liu, H. Yu, H. Zhang, T. Xu, X. Lei, H. Lei, Y. Gu, H. Ding, K. Men, K. Yang, S. Zhang, X. Deng, A. Zeng, Z. Du, C. Zhang, S. Shen, T. Zhang, Y. Su, H. Sun, M. Huang, Y. Dong, and J. Tang, "Agentherack: Evaluating lites an agents," CoSP, vol. abs/2208.82898, 2823.
724)	30.0. X. Das, J. Wong, J. Zhou, Z. Wang, R. Chen, Y. Wang, L. Yang, W. Ye, N. J. Ong, Y. Zhang, and X. Xin, "Framphasch: Two-order enhanting the relations on Energy language models on intercental primary," <i>cid</i> Apr. of an Anti-Oct 652, 8202. 3. S. Shah, K. Chardo, D. Edrant, A. Shah, W. Du, S. Chann, X. Barnar, C. Smiley, J. Chen, and D. Yang, "WHER PLEE MEETS FLAND: benchmarks and large prevaried language model for historical density of the Chardon." <i>Cell Sci.</i> 40, 62213 19805., 2022.
724)	 Guba, B. E. Hu, J. Nyurko, and C. Sei, "Legalbench: Prenotyping a collaborative heachmark for legal reasoning," Colifs, vol. abs/2209.86120, 2022.
7271	L. Zheng, W. Chiang, Y. Sheng, S. Zhuang, Z. Wu, Y. Zhuang, Z. Lin, X. Li, D. Li, E. P. Xing, H. Zhang, J. E. Gomader, and L. Stolou, "Judging Em-m-m-judge with mi-branch and chaffoot avera," CuSS, vol. abs/2396.05985, 2023.
729	X. Wang, Z. Hu, F. Lu, Y. Zhu, J. Zhang, S. Saltomanniana, A. R. Lucesha, S. Zhang, Y. San, and Hr. Wang, "Sifteenth Trubauring college-level scientific problem-uniting abilities of large lenguage models," college, vol. https://doi.org/10.1005/2.2013 X. Li, T. Zhang, Y. Zhibob, R. Tsori, I. Gulinjuni, C. Genetria, F. Liang, and T. R.
30)	X. Li, T. Zhang, Y. Dulioh, R. Tacci, I. Galzejani, C. Gentria, F. Liang, and Y. B. Hishkinsti. "Spacewark in antennic crollature of interaction believing models," totals: 7-cl total contraction: Individuous case; 2023. Y. Hisang, Q. Zhang, F. S. Yu, and L. San, "Trangur A benchmark for transvorthy and responsible true benegate products," <i>College</i> , vol. abs705-51197, 2023.
311	Y. Stal, J. Ting, Y. Cao, X. Lv, Y. He, X. Wang, J. Yu, K. Zeng, Y. Xiao, H. Lyu, J. Zhang, J. Li, and L. Hou, "Recoferanciding fraudation models with language-model-on-on- commines," GoRE, vol. obsci2003-94351, 2023.
722]	C. Chan, W. Chen, Y. Su, J. Yu, W. Xue, S. Zhang, J. Fu, and Z. Liu, "Chapeval Towards better En-based evaluation through mold-agent debate," <i>CoRR</i> , vol. abs/2006.07301, 2022.
	Y. Chang, X. Wong, J. Wang, Y. Wu, K. Zhu, H. Chen, L. Yong, X. Yi, C. Wong, Y. Wong,
733	Y. Chang, X. Wang, J. Wang, Y. Wu, K. Zhu, H. Chen, L. Yang, X. Yi, C. Wang, Y. Wang, W. Yu, T. Zhang, Y. Chang, P. S. Yu, Q. Yang, and X. Xie, "A survey on evaluation of large language reselfs," CodS, vol. abs/23003100, 202. Y. Zhouan, G. Chen, J. Mai, M. Li, Y. Wan, Y. Ghou, H. Wu, Y. Dong, W. Zhang, and Y. Lin, "A survey of the control
	 Zhuang, Q. Chen, L. Ma, M. Li, Y. Han, Y. Qiao, H. Bai, Z. Feng, W. Zhang, and T. Liu "Through the lens of cure compresses; Survey on evaluation of large language models," <i>CoRR</i>, vol. abs/1200.07002, 2023.
	Z. Zhuang, Q. Chen, L. Mai, M. Li, Y. Bian, Y. Qian, R. Nail, Z. Fing, W. Zhang, and T. Lia- Photough the last cleam congressions, Gramey as evaluation of large language models," Codd, vol. abs/2006.07002, 2023. J. B. Clark, J. Palcenski, V. Siloshev, C. Chei, B. Gerrere, M. Collina, and J. Dolisthowski, "York Qof. A benchmark for information overlang question conversing in typiologically device languages," Trees, Astroc. Comput. Englishics, vol. 8, pp. 643–670, 2000.
1951	Z. Zhuang, Q. Chen, L. Mai, M. Li, Y. Bian, Y. Qian, R. Nail, Z. Fing, W. Zhang, and T. Lia- Photough the last cleam congressions, Gramey as evaluation of large language models," Codd, vol. abs/2006.07002, 2023. J. B. Clark, J. Palcenski, V. Siloshev, C. Chei, B. Gerrere, M. Collina, and J. Dolisthowski, "York Qof. A benchmark for information overlang question conversing in typiologically device languages," Trees, Astroc. Comput. Englishics, vol. 8, pp. 643–670, 2000.
773	2: Zhuang, O'Chen, Li Ma, M. L. Filing, X. Yan, M. Hai, Zhing, X. Mong, and T. Lid. Through the last concompression strong sensition of large language attacks, "Code," vol. des (2002) 2009; 2009.
1951	A. Elmong O. Onch. Link. Lit. 19 to V. Onch. 18 Ac. J. Peng. W. Deep on Still. Seed. Conf. 18 Ac. Seed. 18 Ac. Seed. Conf. 18 Ac. Seed. 18 Ac. Se
1951	A. Elmong O. Onch. Link. Lit. 19 to V. Onch. 18 Ac. J. Peng. W. Deep on Still. Seed. Conf. 18 Ac. Seed. 18 Ac. Seed. Conf. 18 Ac. Seed. 18 Ac. Se
1951	A. Elmong O. Onch. Link. Lit. 19 to V. Onch. 18 Ac. J. Peng. W. Deep on Still. Seed. Conf. 18 Ac. Seed. 18 Ac. Seed. Conf. 18 Ac. Seed. 18 Ac. Se
7733 794] 777] 779]	All Brown (J. Code, J. Lee, M. L. 19, M. C. 1994; The proof of Tall Annual Annu
203 204 271 281 291	Alleany Good, San Mark Li, Mark V Good, Na La, Hang K, They application and season of the control of the contro
203 204 271 281 291	Alleany Good, San Mark Li, Man Y, Giller Man, Li, Hang S, Thang S, Margari M, Mark A, Good A, San Mark Li, San M, Good A, San M, Li San M, Good A, San M, Sa
7723 7726 7726 7726 7726	Alles and Good Association (Control Control Co
	Alleany Good, San Mark Li, Man Y, Giller Man, Li, Hang S, Thang and TM. Andready Good and American Council Services (Const.). Find Council J. Harman Y, Minner C. Cincil Services (Const.). Find Council J. Harman Y, Minner C. Cincil Services (Const.). Find Council J. Harman Y, Minner C. Cincil Services (Const.). Find Council
223 229 229 229 229 229 229 229 229 229	Alleany Good, San Line A. Lin, M. Lin, Dee Y. Olive, P. Ha. Lings, The Prop. of PLIA Annual Conference on Confere
723 729 729 729 729 729 729 729 729 729 729	Allean Gold A. S. Mark L. 19 M. V. 19 M. N. 19 M. S. 19 M
232 243 253 254 254 255 255 255 255 255 255 255 255	Alles (1994). A Section of the Control of the Contr
223 244 277 288 288 288 288 288 288 288 288 288	Alleany Good, San Line A. Lin, M. Lin, Dee Y. Olive, P. Ha. Lings, The Prop. of PLIA Annual Conference on Confere
	Alleman (S. M. A.), Inch. M. L. (1994). The N. O. (1994). The L. A. (1994). The Mode of College of College (S. M. A.) (1994). The M. C. (1
	Alleman (S. M. C.), See A. 1. Mark 1. May 1.
	Alles (1994). A Section of the Control of the Contr
7253 7264 7271 7271 7270	Allered De College (1994). Belle Will St. Belle William (1994). Be
	All Based (1994) And All Based
TOTAL	Alleman (M. 1964, 1. See A. 12 Mee). The New York of the Property of the Control
	Alleman (S. M. C.), Seller A. L. (1994). The Conference of
	Alleman (S. M. C.), Seller S. L. (1994). The Conference of
23 24 27 77 39 27 28 24 44 22 44 25 45 46 25 25 21 11 12 12 12 12 12 12 12 12 12 12 12	Alleman (S. M. C.), Seller A. L. (1994). The Conference of

Y. Ma, Y. Can, Y. Hong, and A. Sun, "Large language model in not a good few-shot information curracts, but a good retranker for hard naruplest" CoSS, vol. nbut2030 30523, 2023. S. Tong, X. Han, X. Jiang, and X. Hu, "Does synthetic data generation of line help
8. Tong, X. Han, X. Jiang, and X. Ha. Thos synthetic data generation of limit help clision lost mainings of the propriet acids: 2015/2015, 2025. 4. Varmord, S. Ingolo, S. Bondo, T. Golder, G. Ganzo, G. Genzo, L. Jiano, L. Kalans, S. Kickharmora, S. Parmar et al., "Proceedings for neural machine translation, in Proceedings of the 13th Conference of the Association for Machine Translation in the Association (Polston E. Democrit Process), 2015, pp. 153–193.
3. Zhong, B. Haddow, and A. Sirch, "Prompting large language model for muchine
GERMANNERS (1999-1997), SEED PROPERTY OF SECURITION IN VIEW, ALLEAN M. Characterispoint, M. Genera, and L. Terfinnersy visionarry-based phrase-level prompting of large longuage models for machine translation," arXiv preprint orXIV:2203.01565, 2023. 1. Mars C. Liva T. H. V. Thare D. Yu X. Shi, and Z. To. "Successful Original Inter- tal Conference on Confe
L. Wang, C. Lyu, T. Ji, Z. Zhang, D. Yu, S. Shi, and Z. Tu, "Document-level machine translation with large language models," arXiv preprint arXiv:2304.02218, 2023. W. Jian, JH. Hang, W. Wang, S. Wang, S. Shi, and Z. Yu, "Pursur: Translating durin char using large language models," arXiv preprint arXiv:2204.62848, 2023.
W. Yang, C. Li, J. Zhang, and C. Zong, "Rigirans: Augmenting long-language model with multilingual translation capability over 180 languages," arXiv preprint
ce/De/2003 (1998, 2023. J. Koon, I. Gilbechi, O. Kusyya, M. Kichanek, D. Saydin, J. Baran, J. Bielaniewicz, M. Gruza, A. Jiarra, K. Danderr, A. Kuson, R. Kupyan, W. Mieleuzzenielo-Environmental-Distriction of Publicationals, M. Goleiga, M. Fronzick, L. Raddinark, M. Qujonia, S. Witzinia, M. D. Kiderleha, "Changger Jock of all trades, rauster of name," CoSS, vol. abs/2202.2027, 2023.
Q. Zhang, L. Sing, J. Liu, B. Du, and S. Tao, "Cax chalgpt understand too" A compactative study on changet and fine-tuned BERT," Cell E. vol. abs/2302.18159.
 Cheng, S. Hanng, J. Bi, Y. Zhan, J. Liu, Y. Wang, H. Sun, E. Wei, D. Deng, and Q. Zhang, "Option: Universal prompt retrieval for improving zero-shot evaluation in processing and present active contractions."
 Ren, T. Qu., J. Liu, M. X. Zhoo, Q. She, H. Wu, H. Wang, and JR. Wen, "Reclarger A joint training method for drawp passage retrieval and passage re-analogy." In Proceedings of the 2021 Conference on Empirical Methods in Natural Language Proceedings, 2021, pp. 2023–2016.
W. San, L. Yan, X. Ma, P. Sen, D. Yin, and Z. Ben, "In charget good at sourch? investigating large language models on re-conducta agent," or Xiv preprint or XVX220440954, 2023. Z. Olin, B. Latermann, E. Wai, H. Zhanna, L. Hill, J. Wee, T. Lin, J. Lin, H. Meroley.
Z. Olis, B., Japoman, E., Risk, H. Olisong, J. Hu, J. Beles, T. Liu, S. Jia, D. Moolies, J. Minnig et al., "Large Longuage models are effective for traders with palmoin- moleding prompting," arXiv preprint arXiv:2304.17861, 2022. S. Cho, S. Jong, J. Seo, and J. C. Drift, "Guerrie prompt optimization via constrain- generation for new-lock re-induced - arXiv preprint arXiv:2206.1287.1272, 2023.
generation for zero-duct re-major," arXiv preprint arXiv:2305.13723, 2023. 8. Tong, X. Zhang, X. Ma, J. Liu, and E Ture, "Found in the middle Permutation seconsistency improves listorine maisting in large language madels," arXiv preprint arXiv:2210.037712, 2023.
X. Ma, X. Zhang, R. Fradeep, and J. Lin, "Zero-shot listerial document remaking to a large language model," arXiv avan/nt orXiv:2205.82156, 2023.
 Zhuang, B. Zhuang, B. Koppenas, and G. Dozons, Yu selvater approach for effects end highly efficient secredor ranking with large language models." arXiv preprise arXiv:2311.00497, 2013. Zhuang, Z. Çin, K. Bial, J. Wu, L. Yan, X. Wang, and M. Bertderdoy, "Roymod yea a not be provings never-shot film rankers via socing the-grained reference labels," arXiv preprise arXiv:2304.1412, 2003.
no: improving not-case an inautori van incomig man-granned materiano inauto; oritis preprint artifici2303.14122, 2023. N. Zhens, M. To, Z. Zhong, and M. Jiang, "Longe language models are built in outdregnessive search engines," artific preprint artifici2012001.09122, 2023.
X. Ma, L. Wang, N. Yang, F. Wei, and J. Lin, "Fine-runing liness for mobil-stage near netrieval," arXiv arcsens or XVv2210.00119, 2023.
R. Frudeep, S. Sharifyrrophofdars, and J. Lin, "Bankritzma: Zero-shot lativise document resinking with open-source large language models," arXiv preprint arXiv:2308.1588, 2023. Y. Tay, V. Q. Time, M. Delighani, J. M. D. Rahri, H. Heba, Z. Çin, K. Bini, Z. Zhao,
Y. Tay, Y. Q. Timer, M. Dobghani, J. Sti, D. Raberi, H. Hobba, Z. Qia, K. Bini, Z. Zhao, J. Gapa et al., "Encoderner researcy as a differentiable search index," in Advance to Homer of Epithesia for Proceeding Sprivace, 2002. B. Ben, W. X. Zhao, J. Liu, H. Wu, JH. Wen, and H. Wang, "TOME: A two-ologies
in Journal apprintation is recomming systems, 2002. I. Sem, N. N. Zibon, I. Liu, H. His, J. Wein, and H. Wang, "TOME: A two-stage opprisols for model-based netricred," in Proceedings of the ETsi Americal Needing of the Association for Computational Chaptacion (Pleases — Long Players). Association for Computational Chaptacion, 2021, pp. 4829–6914. [Colline]. Model-bit 1814;1. J. Carlotter, 2021.
Y. Qu. Y. Khag, J. Liu, K. Liu, R. Berr, W. X. Zhua, D. Dwag, H. Wu, and H. Wong, "Buckings: An optimized training approach to dense passage rational be optimized and commissing exercising an exercising." In Proceedings of the 2022 Conference of the North American Chapter of the Association for Computational Engisteries Chapter of the Association for Computational Engisteries Entered Language Technologies, 2022, pp. 6025–6442.
American Confere of the Conference of the Conference Co
metricul, "In Flodings of the Association for Congunational Linguistics: ACL-ICSE, 27, 2022, pp. 2173–2288. Z. Peng, S. Wu, and T. Fang, "Sell prompt hasing for augmenting dense reviewal with large language models," or
with large language models," erzire preprint arthr;2007.0000, 2023. 2. Italy, V. Z. Zhao, J. M. Y. Lians, J. W. J. Lu, A. Bithlabor, K. Gun, K. Hall, and MM. Chang, "Patronyagaster Few deletions retrieved from 8 seasongless," in 20st Eleven Autoritational Conference on Learning Representations, 2023.
A. Askuri, M. Allemenjadi, E. Konoules, and S. Verberne, "Generating synthetic documents for cross-encoder re-conducts: A comparative study of chatget and
K. Mine, Z. Doo, H. Chen, F. Ma, and H. Qian, "Large language models know your consexual sounds inseed: A prompting framework for conservational sourch," arX preprint arXiv:2303.06573, 2023.
 Guo, X. Mu, J. Liu, and J. Callan, "Precise zero-shot dense retrieval without relevance labels," in Proceedings of the Glas Annual Meeting of the Association for Computational Linguistics (Sobieve 3): Long Paperal. Association for Computation Magainties, 2025, pp. 1792–1777.
L. Wang, N. Yang, and F. Wei, "QuerySdor: Query expansion with large language models," arXiv preprint orXiv:2303.07878, 2023.
G. Mo, X. Wu, F. Wang, Z. Lin, and S. Da, "Pre-training with large language model-based document expansion for dense passage retrieval," arXiv preprint arXiv:2308.05505, 2023.
orDiscADM-80585, NNSS. W. Sax, Z. Chee, X. John, L. Yan, S. Wolney, F. Ren, Z. Chee, D. Yin, and Z. Baro, "Fourtransfor distillation makes large language models efficient zero-whet molecul- corps preprior orDiscDD-100555, NOSS. Name B. W. T. Sax and W. Y. Bare. "Lower language models are benchmarked to train
X. Mang, M. Zhu, and W. X. Mang, "Lorge language models are implicitly topic models for facilities and flowing good demonstrates for in-control humaning," Co. vol. of co. 2011;101.0, 2021. C. Li, Z. Gan, Z. Hang, J. Hang, L. Li, L. Mang, and J. Gao, "Malkimodal forundations model: Forus specialists on persemb-purpose auditatum," Co. R. vol. 2012;29(3):100.000.
2023.
a unified, comprehensive and efficient framework for recommendation algorithms, in COM. 6. Democrain, G. Zaccon, J. S. Calpepper, Z. Huang, and H. You, Eds. ACM, 2021, no. 4813–4814
E. Zhou, H. Wang, WX. Zhou, Y. Zhu, S. Wang, E. Zhang, Z. Wang, and J. Wen, "S3-self-supervised learning for segmental recommendation with neural information maximization," in CNSAI, M. of Septis, S. Bieten, C. Heaff, E. Curry, and P. Cudel-Marzono, Eds. ACM, 2021, pp. 3993–1992.
W.X. 20sa, S. Hou, X. For, C. Tong, Z. 20seg, Z. Lin, J. 20seg, S. Bian, J. Tong, M. St. Y. Chen, L. Xu, G. Zhang, Z. Tan, C. Tian, S. Mu, X. Tan, X. Chen, and J. Wen, "Socked 24th Trescoring a more upper-date recommendation Biomy," in CRM, M. A. Wassen of L. Talong, Eds. ACM, 2022, pp. 4722–4725.
L. Kineg, Eds. ACM, 2022, pp. 4122–4736. J. Ke, Z. Tim, C. Chang, J. Zhang, U. Wang, R. Zheng, Y. Li, J. Tong, X. Zhang, Y. Hu, X. Pan, W. X. Zhan, X. Chen, and J. Wen, "Dowards a more serv-livenedy and empty one benchmark Bastry in recommended systems," in 2023. ICA Ser. W. E. Peds. B. Montag, M. P. Fatol, Models, and R. Pobletc, Eds. ACM, 2022, pp. 3077–3278.
S. Rendle, C. Freudenthaler, Z. Guerner, and L. Schmidt-Thieme, "EFR: bayesian necessarilized resident from implicit feathers," CuRP, and abs/1705-7618, 2017.
W. Fan, Z. Zhan, J. Li, Y. Liu, X. Mai, Y. Wang, J. Tang, and Q. Li, "Recommender systems in the ens of large language models (Ens)," CoSS, 2023.
L. Wu, Z. Zheng, Z. Qiu, H. Wang, H. Ou, T. Shen, C. Qiu, C. Zhu, H. Zhu, Q. Liu, H. Xing, and E. Chen, "S survey on large language models for recommendation," CoRQ, 2023. Y. Guo, T. Sheng, T. Xiang, Y. Xiang, H. Wang, and J. Zhang, "Chat-over Towards
Y. Geo, Y. Sheng, Y. Xiang, Y. Xiang, H. Wang, and J. Zhang, "Underect Networks interested and explainable literature of the confidence of
S. Berkovsky, M. Zhang, T. D. Wala, J. Budlico, L. Pizzana, and Y. Song, Edn. at M., 2023, pp. 1135-1132. S. Dan, J. Shong, Z. Lin, H. Lu, E. Xie, J. J. Mohdely, and W. X. Zhao, "Large language mobils one core-shot torsions for economiensine spotens," CoSS, 2023.
J. Liu, C. Liu, E. Lv, K. Zhou, and Y. Zhang, "Is charget a good recommender? A
geometracy study: Code, vol. Lieuzobi 1004, 2021. K. Bao, J. Diang, E. Villagg, H. Williagg, E. Fang, and X. Hu, "Dillece: An effective and efficient noring framework to sligh large larguage model with recommendation; in Probys. J. Study, L. Chen. S. Februsky, M. Zhoung, T. U. Nois, J. Bindion, L. Pitzar and Y. Song, Eth. ACM, 2023, pp. 1047–1114.
 Zhu, L. Wu, Q. Guo, L. Hong, and J. Li, "Collaborative large language model for recommender systems," arXiv preprint arXiv:2311.03343, 2023.
 Zheng, Y. Hou, H. Lu, Y. Chen, M. X. Zhoo, and JP. Wen, "Mapping large langua models by integrating collaborative semantics for economerchaton," 2023. [Onlin- low-fields: https://api.semarticscholar.org/Carpes 10: 205223194. X. S. W. Liu, L. Liu, L. Zhu, S. Chen, B. Tano, W. Zhano, B. Zhuon, and Y. Yu, "Toxano.
Y. Xi, W. Liu, J. Liu, J. Zhu, B. Chen, R. Tang, W. Zhang, R. Zhong, and Y. Yu, "Toward-open writiff recurrencedurion with Innovindity augmentation from large language and shift," 20th, vol. also/2016. 20052, 2022. Q. Liu, K. Chen, T. Sahal, and E. Wu, "A first hole of Elm-powered generative news recommendation," CoRL, vol. also/2016. 200925.
recommendation." Chestl., Vol. abs/2305.0556, 2023. S. Li, W. Deng, Y. Chestl, Z. Yann, J. Zhang, and E. Yaon, "Exploring the upper limit of seat-level onliabstrative filtering using large longuage models: Discoveries and insights." Chilic, vol. abs/2305.11709, 2022.
WWH.X. Rev. J. Tang. Q. Wang, L. Su. S. Cheng, J. Wang, D. Yia, and C. Huang, "Unrec: Lorge language models with graph sugmentation for recommendation," CoRP, vol. obs(231.80425, 3023.
 Li, B. Chen, L. Hou, and E. Tang, "Ctrl: Connect tabular and language model for medicalse," arXiv preprint arXiv:2306.03542, 2023.
A. Muhamed, I. Krimedoo, S. Pevera, J. Menosk, Y. Xu, Q. Cui, S. Sziggopalan, B. Ze and T. Chilinds, "Tu-bear: Cost-effective learningly distillation for billion- parameter scoker models," in Neuri'S Efficient Status of Language and Speech Processing Hirrishbys, 2022.
L. Wang, C. Ma, X. Freig, Z. Zhang, H. Yang, J. Zhang, Z. Chen, J. Tang, X. Chen, Y. Li, W. X. Zhan, Z. Wei, and J. Wen, "A survey on large language model based association agency." <i>CoRR</i> , vol. abs/2306.11432, 2023.
 Wang, J. Zhang, X. Chen, Y. Lian, R. Seng, W. X. Zhan, and J. Wen, "Becognet: A need situations providing for recommender systems," CAMS, etc. abs/2286/02552 2022. Lie, C. Wan, M. Minderson, V. Jian, S. Norvekin, J. Wang, R. Wan, and C. Iwardier, "Receiver: a configurable situation partierns for recommendate operators," CoSS, vo.
E. Jo. C. Ross, M. Mindenov, V. John, S. Norvekar, J. Wang, R. Wu, and C. Bustlifer, "Beedin: A configurable situation platform for recommendar systems," Coldo, vi- abeti 1000.1446, 2021. 3. Zhang, Y. Ross, R. Xio, W. San, J. J. McAsley, W.X. Zhan, L. Lin, and J. Wine, "Agent Confinentive learning with autonomous hanguage agents for recommender systems," Colley, via dept3110/2023, 2021.
A. Zhang, L. Sheng, Y. Chen, H. Li, Y. Deng, X. Wang, and T. Chua, "On generative
agents in recommendation," CARR, vol. abs/2003.1918(2023). Y. Bu, Z. Liu, J. Li, and M. N. Zhao, Varrany of vision in degrapany pre-trained model in Proceedings of the Thirty-Pirch International John Conference on Artificial Architecture, 2004 2002, Present, Austria, 23–27 July 2002, L. S. Barett, Ed. Upot ang. 2002, pp. 5469–548.
2022, pp. 5495-5453. 2. Gas, L. Li, C. Li, L. Mang, Z. Liu, and J. Gas, "Velice-language pre-training Basic secent advances, and finance trends," Found, Trends Comput. Graph. Vis., vol. 14, n. 2-4, pp. 145-262, 2015.
P. K. Balteratein, C. Ananuroungchal, D. D. Nguyen, A. Bagna, Z. Borson, E. de Channoni Guitry, F. Chen, D. E. Badewy, W. Har, L. Kharitanov et al.,
Veskelysker A. lange language model that can speak and liberas ("OMA, 2023. A. hipras, J. Sunskies, P. Lux, A. Miech, I. liters: Y. Bosson, K. Leer, A. Merendt, B. Billizers, M. Supprasiks, R. Eing, E. Sud-selvent, S. Chill, T. Hav, Z. Gang, S. Samangpoot, M. Microrier, J. L. Unbeld, S. Borgerad, A. Jarod, A. Kimarzadeh, S. Samangpoot, M. Bistownick, E. Eurenich, O. Verplas, A. Dismorad, S. Simorgon, "Flankage: a visual language model for flow-duck laursing," in MerrYS, 2022.
S. Sharifradeh, M. Binkowski, R. Barreira, O. Vinyala, A. Zisserman, and R. Simorgon, "Flamings: a visual language model for few-shot learning," in Neurity, 2022.
C. Scholmeners, R. Ressanciel, R. Venca, C. Oordes, R. Wightman, M. Cherti, T. Constee, A. Mellis, C. Mellis, M. Wortsmen, P. Schomeneid, S. Rusdardy, S. Crevesse, L. Meldis, C. Mellis, M. Wortsmen, P. Schomeneid, S. Rusdardy, S. Crevesse, L. Meldisk, R. Rusdardynk, and J. Russyn-Uncolov-Re on open large- scale dataset for training near greatestion image-test madels," in Alward S. 2022.
 Crangpunye, F. Searma, N. Ling, and K. Servou, "Conseptual 12th Franciscopes scale image-text pre-training to recognize long-test visual concepts," in IEEE Conference on Computer Vision and Pattern Recognition, CVPR 2021, virtual, June 1 25, 2021. Computer Vision Foundation (IEEE, 2021, pp. 3559–3566.
Q. St. H. Xu, G. Xu, J. St. M. Ster, Y. Zhou, J. Wang, A. Hu, P. Shi, Y. Shi, C. Li, Y. Xu, H. Chen, J. Then, O. G. J. Theory and E. Kramer, Combined and Machine Conference
empowers large language models order machinolists; "Cubb, vol. abs/2004.14136 1, Sal. S. Bol, S. Yang, S. Wang, S. Tan, P. Wang, J. Lin, C. Zhou, and J. Zhou, "Qwen- A treated language relate-language model with versuable shidding," Cubb, vol. 660(2008) 2008.
H. Liu, C. Li, Y. Li, and Y. J. Lee, "improved baselines with visual instruction tuning Code, vol. abs(2)10:82744, 2023.
P. Zhang, X. Dung, B. Wang, Y. Can, C. Xu, L. Oupung, Z. Zhao, S. Ding, S. Zhang, H. Dunc, W. Zhang, B. Yan, X. Zhang, W. Li, J. Li, K. Ohn, C. Hu, X. Zhang, Y. Qiao, D. Liu, and J. Wang, "External noncoponers: A vision-language large model for obtained less image comprehension and composition," CAM, vol. abs/2393.3312.
W. Chen, Z. Zhang, W. Zeng, R. Zhong, F. Zhu, and E. Zhao, "Shikra: Unbooking makinoodallim's referencial dialogue magic," CoSE, vol. abs/1206.15165, 2023.
T. Liu, K. Lin, L. Li, J. Wang, T. Yacrob, and L. Wang, "Wigning large multi-modal model with robust instruction tening," CoSE, vol. abs/LEOS.14595, 2023.
 Du, H.; Guo, K. Zhou, W. X. Zhan, J. Wang, C. Wang, M. Cui, R. Song, and JR. Wen. "What trades for good visual interactions of spathesizing complex visual reasoning interactions for relical interaction moding," 2022. D. Gureri, Q. Li, A. J. Stangl, A. Geo, C. Lin, K. Groumen, J. Loo, and J. P. Righters.
 Gorner, Q. Li, A. J., Soungl, A. Geo, C. Lin, R. Gousseuer, J. Loo, and J. P. Bighiers, "Rivering great challenge: Answering visual questions from Bladd people," in CPPS. Compaged Vision Francisches IEEE Compage Coding, 2018, pp. 3965–397. A. Bidder, R. Ashkari, and C. V. Joneshar, "Top down and betrass-op-ones for some neur recognition," in CPPS. IEEE Compages Geology 2013, pp. 3677–3697.
Y. Liu, H. Doun, Y. Zhang, B. Li, S. Zhang, W. Zhao, Y. Yuan, J. Wang, C. He, Z. Liu, S. Chen, and D. Liu, "Medicuch: In your model-modul an all-around player? CoRP, vol. obs02307.00381, 2023.
C. Fu, P. Chen, Y. Shen, Y. Qiu, M. Zhang, X. Liu, Z. Qiu, W. Liu, J. Yang, X. Zheng, K.
X. Sux, and R. J., "SIME: A comprehensive evaluation benchmark for maltimodal large language models," CoSS, vol. abs(2306.13394, 2023.
Y. Zhang, Y. Li, L. Cu, D. Gui, L. Liu, T. Fu, X. Huang, E. Zhoo, Y. Zhang, Y. Chen, L. Wang, A. T. Luu, W. Bi, F. Shi, and S. Shi, "Siren's song in the All occur: A survey bullactionities in large language resolute," CoSS, vol. obs(2008)1215, 2023.
C By Clora S. Shen X. (Qu. M. Dung, E. Liu Z. (Qu. M. Liu, Y. Yang, E. Eney, E. L. K. Liu, M. Liu, Z. Chang, E. L. K. Liu, M. Liu, Z. Chang, E. Liu, Z. Chang, L. Liu, Z. Chang, L. Liu, Z. Chang, Z. Liu, C. M. Liu, Z. Liu,

30440	Y. LL.Y. Du, R. Zhou, J. Wang, W. X. Zhou, and J. R. Wire, "Evaluating object ballactuation in large vision-language models," in 29th 2023 Conference on Department Arthody in Natural Language Processing, 2023. Continual, Available: https://openrovises.out/forum?id=nat/hd=
bed	D. A. Hudson and C. D. Manning, "SQN: A new dataset for real-world visual reasoning and compositional question asswering," in CVPE. Computer Vision Environmental VISTA 2018, pp. 4796–4706.
[845] [847]	P. Liu, S. Milder, T. Xia, L. Qia, K. Chang, S. Zhu, Q. Tufgerl, P. Clark, and A. Kalyan, "Journ to copilate: Multimodal resourcing via thought chains for science question enerociting." In New Port N. XVI. A. Kingh, V. Nastrjan, M. Mahi, Y. Jiang, S. Chen, D. Partill, and M. Rabelhoth, "Towards vap models that as nort," in Proceedings of the XXX Employees an Company. Vision and Farmer Recognition, 2017, pp. 8171–8542.
pr-400	Company Vision and Framer Designation, 2019, pp. 617–618. Long-renewater Company Vision and Framer Designation, 2019, pp. 617–618. E. Liu, T. Guara, Z. Li, L. Chara, Y. Viscosh, D. Manocha, and E. Zizoe, "Hall-basinsheeds: You are shady with all any one ball-owing use and an approximate connecting benchmark challenging for gat-Priviness, Deriv-13, and other made anodality models." GMA, vol. abstraction 1002, 2019.
peri	 Amol, A. Agrawol, J. Lu, M. Minthell, D. Barra, C. L. Zirnick, and D. Purikh, "VQA: visual question answering," in ACCV. IEEE Computer Society, 2015, pp. 2425–2413.
\$190\$ \$181]	 Verlammar, C. L. Zhraick, and D. Forlich, "Cities: Consensus-based image description evaluation," in CVPP. IEEE Computer Society, 2005, pp. 4696–4575. H. Lin, C. Li, Q. Wha, and Y. J. Lee, "Piscal Instruction Burdey," COMP. vol. abs/2379-46969, 2003.
\$1525	P. Xu, W. Shao, K. Zhang, P. Gao, S. Liu, M. Lei, F. Mong, S. Haung, Y. Qian, and P. Lun, "Lyden-shafe: A comprohensive embassion benchmark for large vision-language models," <i>CoRR</i> , vol. abs/2206.09285, 2022.
3000	 Li, Y, Wang, M, Du, Q, Liu, B, Wu, J, Zhang, C, Zhwu, Z, Fan, J, Fu, J, Chen, X. Bhang, and Z, Wei, "Reform eval: Evaluating large vision language models via unified re- formulation of rade-oriented benchmarks," DAM, pp. 348–3593 (2019), 2021.
154 893	 I. I. R. Wang, G. Wang, Y. Ge, Y. Ge, and Y. Shan, "Seed-breaks Benchmarking makehoodal lime with premative comprehension," CORP, vol. abs/1202.1655, 2023. W. Yu, X. Yang, L. L. J. Wangs, E. H. Y. Lin, X. Wang, end H. Wang, "May voe New York and Conference of the Conference
pool	 Wang, L., Meng, Z., Weng, R. He, Z., Wu, and Y. Jiang, "To see in to believe: Prompting GPL-65 for human nismal languages and see "CoSP, and adult's 1, 1972A, 2017.
8871	 Zhang, R. Zhong, J. Gu, Y. Zhou, N. Lipko, D. Yang, and T. Sen, "Liavan: Enhanced visual instruction training for instructed image understanding," arXiv preprint arXiv:2306.17307, 2023.
(SSI)	 Qi, K. Haung, A. Panda, M. Wang, and P. Mittal, "Fixual informatiol examples julibroak aligned large language module," in The Second Workshop on New Franciers in Adversarial Machine Learning, 2021. Yaller C. Crist, Livens, L. Zhaor, Z. Deere, C. Piers, W. Barnall, and H. San, "Analysise:
leed	 Zhen, C. Cui, J. Toon, L. Zhang, Z. Dong, C. Para, M. Bersol, and H. Son, 'Mendysting and mitigating object believe better better by large vision-language models,' and by propriet and/2003 IEEE/CVI. 2003. Son, S. Shon, S. Cao, H. Lin, C. Li, Y. Shon, C. Gao, LY. Gui, Y. Wang, Y. Yang et al., 'Valgating large multimodal models with freezally sugmented of the 'article propriets' and Tools (ICSC). 2003.
[881]	proprior of IV/2008 (4502) 2002. S. Pars, I. Lion, Y. Wang, C. Chen, J. Wang, and X. Wu, "Driftying large language models and knowledge graphs: A condinary," CoRD, vol. abs/22003/65022, 2022.
[962]	S. Was, L. Lion, Y. Wang, C. Osen, J. Wang, and X. Wu, "Trisking large language mobile and larverling grade in conducting Code viol. doi:10.0105/S.1033 2023 Explana Station, Coloramentally V. Tripperson, J. Chen, and K. Yarinen, "Secretary," in the "immunos Web 10th International Conference, Code, 2014, Secretary, London, Code, 2014, Secretary, London, Code, 2014, Secretary, London, Vol. 1211, Springer, 2008, pp. 314–538. V. Nan, S. Wang, S. Perg, S. Wing, C. Peng, D. Saney, D. Jan, T. Chan, T. Wang, N. Yang, S. Wang, S. Peng, S. Wing, C. Peng, S. Wang, C. Wang, S. Wang, D. Wang, D. Jan, C. Du, K. T. Chen, T. Wan, K. Wang, S. Peng, S. Wing, C. Peng, D. Saney, D. Jan, D. Jan, T. Wan, S. Wang, S. T. Wan, S. Wang, S. Peng, S. Wing, C. Peng, D. Saney, D. Jan, D. Jan, T. Wan, S. Wang, S. Wang, S. Wang, D. Wang, D. Jan, D. Jan, T. Wan, S. Wang, S. Wang, S. Wang, D. Jan, D. Jan, S. Wang, S. Wang, D. Wang, D. Wang, D. Jan, D. Wang,
	Y, Sea, E. Wang, S. Feng, S. Ping, C. Ping, J. Shang, F. Liu, X. Chen, E. Erhen, Y. Lu, W. Liu, X. Wu, W. Geog, J. Liang, X. Shang, P. Sun, W. Liu, X. Oyeneg, D. Yu, S. Tian, W. W. Lou, X. Oyeneg, D. Yu, S. Tian, S. Wu, Loudi H. Wang, "SSNESS: In Language conductationing and prevention of the control of t
20642	 Zhang, X. Hun, Z. Liu, X. Jiang, M. San, and Q. Liu, "EBSTL: enhanced language operated and wide lateral articles," in Proceedings of the 26th Conference of the Association for Companisoral Chaptainsis, ACC 2017, Proceed. Body, Ppl. 26. August 2, 2022, Februar 1, Long Papers. Association for Computational Linguistics. 2015, pp. 3414–351.
[665]	 Wang, T. Gao, Z. Zhu, Z. Zhang, Z. Liu, J. Li, and J. Tang, "EXPLIST: A unified model for knowledge embedding and pre-trained language representation," Trans. Assoc.
prest	Comput. Linguistics, Ved. Upp. 179–159, 2002. J. 279-18, S. Ming, T. V., Emp. J. Tope, C. Li, and H. Chen, "Subgraph retrieval enhanced model for model here journed up to ensure consistence of the recording of the 65th Annual Hereing of the Annual Herein
(667)	Comparational Linguistics, 2022, pp. 1773–1784. R.Ko, H., H., Y., Zhan, X., Cui, L., Wang, L., Kong, X., Zhu, and M., Hanng, "Hintege: Complexory joint representation learning for reason generation from haveledge graphs," in <i>Heddings of the Association for Companisonal Linguistics (ACA/SYLED 2007, Online Devict August 4-1 2007, em. Technology of ACA/SIA/CHAP 2021.</i> Association for Computational Linguistics, 2022, pp. 2203–2338.
lored	 Agarwol, H. Se, S. Shaleri, and R. Al-Hau, "Large scale knowledge graph based synthetic curpus generation for knowledge-enhanced language model pre-training."
POOL	Gody via doctific (1988, 1928). V. Chen, Y. Lin, K. Lin, and W. L. Wang, "FLET: have independently give mixing by the control of the control
[871]	integrage those to rear-elect contractments," in Proceedings of the Set America Meeting of the Americalists for Computational Linguistics (Polame I Linguistics), ACL 2002, Terrors, Consid., July 5-14, 2022. Association for Computational Linguistics, 2025, pp. 4183–490. L. Lav, Y. Li, G. Heffer, and S. Piss, "Innocessing or graphs Tabilitid and Interpretable large language model recording;" Crists, Vol. 402-4327910, 2023.
pa72)	Y. Lan and J. Jang, "Query graph generation for numering multi-hop complex questions from knowledge bases," in Proceedings of the 58th Annual Meeting of the Americator for Computational Linguistics, ACL 2019, Online, July 5-10, 2019, D. J. and 191. Association for Communicational Linguistics, 2020, pp. 890–891.
\$174E	 Wong, N. Zhong, X. Xie, T. Yao, B. Tian, M. Wong, Z. Xi, S. Cheng, E. Liu, G. Zheng, and H. Chen, "Enzyvelis: An enzy-cu-use-knowledge-editing framework for large language-models," <i>ChRR Vol.</i> 3th 2018.07(2018), 2021.
Roll	Y. Yao, P. Wang, B. Tian, S. Cheng, Z. Li, S. Deng, H. Chen, and N. Zhong, "Edizing large language models: Problems, methods, and opportunition," <i>CoRP</i> , vol. abs/1205.13572, 2013. S. Chei, T. Fing, Z. Wing, and S. Song, "PATS: knowledge constanted tree-search deceasing with higher level half-desiration detection," <i>CoRP</i> , vol. abs/2215.009604, 2023.
lind	 Zhang, L. Fan, J. Zhao, and W. Y. Wang. "Mitigating language model hallucination with instructive quantities-knowledge alignment," CuRL vol. abs/2305.1560, 2023.
(877)	Y. Zhu, X. Wang, J. Chen, S. Qiao, Y. Ou, Y. Sin, S. Deng, H. Chen, and N. Zhang. "Lines for learn-fledge graph construction and resociating Recent opacitalities and future opportunisms." CMAP, Vol. Association, 1918; 2011. [Colland., Available: https://doi.j.org/18.48586/arxiv.2018.11148
\$25 \$25	S. Rumoll and P. Norvig, Artificial Intelligence: A Modern Approach (4th Edition). Penrson, 2020. [Ceiline]. Available: http://aima.cs.barkeloy.adu/
[SRO]	 M. Lake, T. D. Ullman, J. K. Terenboum, and S. J. Gershman, "Bedding machines that learn and think like people," CHE, vol. abs/90040285, 2006. Yao, J. Zhan, D. Yu, M. Bu, L. Shafran, K. Namainhan, and T. Can, "Store: Specificing reasoning and arting in language models," CHER, vol. abs/220200929, 2822.
(HR1) (HR2)	2023. [Online]. Available: https://github.com/Antonilsika/gpt-orginees X. Team: "Xueres: An autonomous arest for complex task solvine". 2023.
lonci	G. Li, H. A. K. Harrenout, H. Dard, D. Ebishulla, and B. Guaren, "GMIL: communicative agents for "mind" exploration of large scale language model society," <i>CoRI</i> , vol. abs/2333,7790, 2023.
[86]	S. Hissay, X. Zheng, J. Chen, Y. Cheng, J. Wang, C. Zhang, Z. Wang, S. K. S. Tasa, Z. Liu, L. Zhou, C. Ban, L. Zha, and C. Wu, "Mesager bless programming the model agent collaborative framework," <i>Collin</i> , vol. abs/2108.001037, 2023. C. Zhana, B. Liu, Y. Zhang, Z. Chen, T. Liu, J. Yuan, B. A. Phanmer, Z. Wang, and H. Yang,
paq	C. Pinna, B. Liu, Y. Pinna, Z. Chen, Y. Liu, J. Yuan, B. A. Shummer, Z. Pinna, and H. Yong, "Let models speak ciphern Nuthingers of behave through varied delays," <i>CoRR</i> , vol. abilitios/272, 2023. T. Pin, B. Li, A. Pinnakha, S. B. Tereshovan, and H. Mordonich, "Improving factuality and researching in language models through resittingers clother," <i>CoRR</i> , vol. 4, 2021.
(687)	ModBBB 64325, 2023. M. Nappinious, N. Abaury, and M. Joyne, "The purels of using mechanical task to evaluate open-middle does generation," in Proceedings of the 2022 Conference on Empirical Methods in Stateast Congrupe Processing, DMED 2022, Prival Execution And Association Empirical Conference on Computer States Cons., Development Personal Conference, National Association, Development Conference, National Conference, and S. W. Yill, Eds. Association for Computational Linguistics, 2022, pp. 1285–1298.
past	1286-1285. II. Lee, S. Perschiel, H. Mormone, E. Le, T. Mescand, C. Hidrop, V. Curlwan, and A. Savang, "SLAIP: Scaling reducement learning from human feedback with All deethack," OAAR, vol. hair/2006/0857, 282. T. Wang, D. Ta, K. E. Tan, S. O'Reine, R. Perssanza, J. Defeedb Fr. O. Gellemone, J. Defeedwayer, M. Freed-Savand, and A. Colligionau, "Despited A CHIS: Serious Imaging and September (A CHIS).
paol	 Contentinger, St. Learn-Larrente, and A. Colleysterat. "Origination of CHES for language in model generalism." Code, Vol. Amic 2008.09557, 1882. Chi, L. Yaan, N. Bring, G. Tine, W. Zhu, Y. M., G. Xie, Z. Liu, and M. San, "Electrolechoic: Boosting language models with high-quality feedback," CoRR, vol. abs/2116-12177, 2023.
[691]	abs(2218.01377, 2023. X. Minng, Z. Minng, J. Liu, Y. Olen, L. Ywan, H. Peng, and H. Ji, "MRNT: evaluating thes in multifuture lateralism with look and language feedback," Collet, vol. obs(2020.1099), 2023.
[682]	 S. Saha, O. Lavy, A. Oddeylmax, M. Bansal, J. Weston, and X. Li, "Branch-solve-energy improves large language model evaluation and generation," CoSS, vol. abs/1218.15123, 2023.
1993 1994	X. Zhang, B. Yu, H. Yu, T. Liu, T. Haung, H. Xin, and X. Li, "Whiter and deeper IAM serivation are fater LLM evaluation," CoRM, vol. absc/2008.01882, 2023. C. Chan, W. Chan, T. Sin, J. Yu, W. Xian, S. Zhang, J. Fu, ahad; Z. Liu, "Chanwal: Towards: better Embased evaluation through multi-agent challes," CoRM, vol. absc/2008.07301,
issoi	herere Erobassed conductors through model-agent debase," CoRR, vol. abs(2008/87301, 2022. B. LL. T. Palel, and X. Du. 198D; poor neak and discussion improve large language model based conductors," CoRP, vol. abs(2008/2003, 2023.)
paq	 Zhu, X. Wang, and X. Wang, "Judgelm: Fine-tuned large language models are scalable Judges," CoRR, vol. abs/2200.13631, 2020.
9871 9860	Z. Zong, J. Yu, T. Gao, Y. Meng, T. Goyal, and D. Chen, "Evaluating large language models of evaluating instruction following," CASE, vol. 4th 23330,0041, 2023. Son, M. Lee, Y. Rabrig, J. J. Fack, Z. M. Nian, and D. Rang, "Benchmarching cognitive blasses in large language models are evaluators," CASE, vol. 3th 239417,2023, 2023.
loaci	P. West, X. Lu, N. Petri, F. Brahmun, L. Li, J. O. Heung, L. Jiang, J. Tisher, A. Strichander, K. Chanda, B. Neveraux, P. W. Esh, A. Dirisper, and Y. Chel, "The generative of paradics" visit is can create, it may not understand"," Collit, vol. abs/211.00029, 2023.
lond	 Storag, X. Chen, S. Mishra, H. S. Zheng, A. W. Yu, X. Song, and D. Zhou, "Large language models cannot self-correct resonaling set," CuRR, vol. abs/2318.07798, 2023.
peri	K. Snichly, M. Marquer, and S. Kambhampati, "GPT-4 doesn't know th's wrong: An analysis of tiensive prompting for removing problems," CoSP, vol. abs/2216.12297, 2023.
\$425 [462]	O. Nov, K. Singh, and D. M. Mann, "Parting thangers medical advice to the Outring) next," <i>Golds</i> , vol. abs/2813-10005, 2022. K. Yang, S. J. T. Zhang, G. Sho, and S. Anamindon, "On the evaluations of change and emotion-enhanced prompting for revenal health analysis," <i>CuRS</i> , vol. abs/2004.03373, 2023.
[104]	circums-elanticol primping for revenus seatus marginis. Casac vivi. abidi204(2034), 2033. S. Jobbids, R. Subardines, J. Desli, A. Mitzemeinie, A. T. Stikes, I. Topalis, T. Triches, P. Mong, R. C. Sabel, J. Badia, and M. Liggisch, "Change makes mediative every is estallise: An explanativa case mady on simplified melology separin;" Cukit, rol. abidi2011.1488, 2032.
543	readine, An organizary case welly on impellint studieting reports, "CAAK, vol. 1862/E114882, "See Seed See See See See See See See See
ped	 Yang, H. Zhao, S. Zhu, G. Zhou, H. Xu, Y. Jia, and H. Zan, "Zhongjing: Enhancing the chinese medical capabilities of large language model through expert feetback and real-world model-earn dialogue," CoRP, vol. abs/2008.03548, 2023.
perj	S. Chen, S. H., Kiren, M. R. Fredor, H. J. Aters, G. K. Serova, B. H. Molt, and D. S. Bilberman, "The utility of Cology fit in success two-stress information," seehilob, 2023. K. Mollinko, M. Percelai, A. Fico, O. Relpade, and F. Januar, "On the educational impact of franger in sufficial intelligence roady to obtain a university degree?" CARE, vol. abs/2023.11466, 2023.
(1995) (1995)	T. Sesejak, "Chatget: The end of online exam telegrity" COSS, vol. obs2212.89292, 2822.
19111	R. Tan, T. Pang, and G. Pan, "Soverate applying provedth large of models in classroom reaching: Opportunities, challenges and prospects," 2023. E. Karalson and L. Garrift, "A new era of artificial intelligence in offscartists: A markiflucted revolution," Codd. vol. abs/2395.1595, 2023.
prot	E. Karseni, R. Weller, S. Micherstein, M. Bausert, D. Demerdiero, F. Erhole, U. Garset, G. Gorbs, S. Girsensena, E. Ellifermen et al., "Outage for good on exportantion and rhadwages of large language models for education," Journal of Administration of Improvement, vol. 101, pp. 80274, 2003. A. Bide-Steiné, N. Ellifermetegra, and E. V. Damme, "Care GPT-3 perform statutory measurings," Col. A. Bide-Steiné, M. ed. shr. 2022 (1916), 2022.
[954]	b. Traumann, A. Petreva, and F. Schilder, "Legal prompt engineering for multilingual legal judgement prediction," CoSS, vol. abs(22)2.02398, 2022.
1903	 H. Chod, K. E. Bickman, A. Mannshan, and D. Schrwacz, "Chatgap goes to law school," <i>Annihilities at SSIN</i>, 2023. J. Say, "Law informs code: A legal information approach to allguing artificial intelligence with humanics," <i>Study</i>, vol. abs/2009.33000, 2022.
(917) (998)	E. Vu, L. Quarrey, and F. Schilder, "Legal prompting: Fraching a language model to think like a lawyer," CoSE, vol. abs/2212.81226, 2022. Transference, A. Petreve, and F. Schilder, "Legal prompt engineering for matilitingsal legal indepenses production," CoSE, vol. abs/2212.02299, 2022.
[500] [500]	A. Tarakin, M. Brundage, J. Clark, and B. Gangoli, "Understanding the capabilities, limitations, and societal impact of large language models," <i>CoRP</i> , vol. ph/9700-17503, 2001.
[921]	Z. Sens, "A sibert starvey of vinering large language models in legal espect," CoRR, vol. olds/2008/09/28, 2023. A. AASAL M. Francis, and J. Zens, "Precisions and resultin black in large language models," in AUS-TF: AAASIAM Conference and Al Disks, and desling, Fernal Print, Eds. 489; Feb. J. 2023. M. Grantish, E. Majeres, S. Laure, and B. N. Madligues, Eds. ACM, 2023, pp. 288–298.
han	A. Shah and S. Chava, "Nero is not bero yet: Renchmarking zero-shot performance of lime for (insertals hashs," CoRY, vol. obs5200, 16853, 2023. b. Anni, "Visbert Financial stockinese analysis with pre-trained language models," CoRY, vol. aboit 100, 20063, 2018.
[623]	L.C. S. Alvanda, K. Verspeer, and T. Baldwin. "Domain adaption of named crafts"
204	recognition to support credit risk assessment," in Proceedings of the Assertionian Language Technology Association Workshop, ALIA 2015, Percentato, Assertalo, Secondor 8 - 9, 2015, D. Hachry and E. Welnete, Uls. ACL, 2015, pp. 64–90.
923 923 925	J. C. Schwedt, K. Wegner, and T. Mahrin, "Devail adaption of amenderating sequential to Support and Table States," in "Proceedings of the districtions for again probability association bringing relevanting states brinking, ASS 2005, Communic, Americals, Security and Security and Security Security (Security and Security Sec
204	impetito i supporti intelli di si somorieri. Si Promodingi di si si somorieri. Si Promodini di Si Promodini di si somorieri. Si Promodini di si si somorie di Si Rista (Si Alexa del Si Rista (Si Alexa (Si Alexa del Si Rista (Si Alexa (Si Alexa del Si Rista (Si Alexa del Si Alexa (Si Alexa del Si Alexa del Si Alexa del Si Alexa del Si Alexa (Si Alexa del Si Alexa del Si Alexa del Si Alexa del Si Alexa (Si Alexa del Si Alexa del Si Alexa del Si Alexa del Si Alexa (Si Alexa del Si Alexa del Si Alexa del Si Alexa del Si Alexa (Si Alexa del Si Alexa del Si Alexa del Si Alexa del Si Alexa (Si Alexa del Si Alexa del Si Alexa del Si Alexa del Si Alexa (Si Alexa del Si Alexa del Si Alexa del Si Alexa del Si Alexa (Si Alexa del Si Alexa del Si Alexa del Si Alexa del Si Alexa (Si Alexa del Si Ale

A Deliver, A Protection, Employee, and of Referent. Wilesely & Amenday control copy in Management among at 2002.

Dead Committed Committee Committ

Coppels News Price Concessed on 10 or 50 31 1123 62 200 by (Street)