Demo	
All Allen Institute for AI Home About Corpora Paper Artifacts Code	
What's In My Big Data?	
n-gram Explorer We explore the most common <i>n</i> -grams of each of the 10 corpora we consider. We compute the 10K most common <i>n</i> -grams for all corpora, with different <i>n</i> -grams. The interface uses distinct colors to highlight identical <i>n</i> -grams across different corpora, enabling easy comparisons. * For better readability with larger <i>n</i> -grams reduce the number of selected corpora.	
Corpora ✓ OpenWebText ✓ C4 ✓ mC4-en ✓ OSCAR ✓ The Pile ✓ RedPajama ✓ S2ORC ✓ peS2o ✓ LAION-2B-en ✓ The Stack ✓ Dolma Ngram Length	
1234510100RankC4DolmaLAION- 2B-enOpenWeRedPaja bTextS2ORCThe PileThe Stack mC4-enpeS2o	
1 $qqqqq$ 2???? $t t t t t t t t t t t t t t t t t t t $	

(1) Motivation

- Datasets are the foundation of ML models
- Normalization for the stack mean of the stack
 - understand their underlying data
- How do we analyze the contents of
 - terabytes of unstructured text data?!

(4) Results

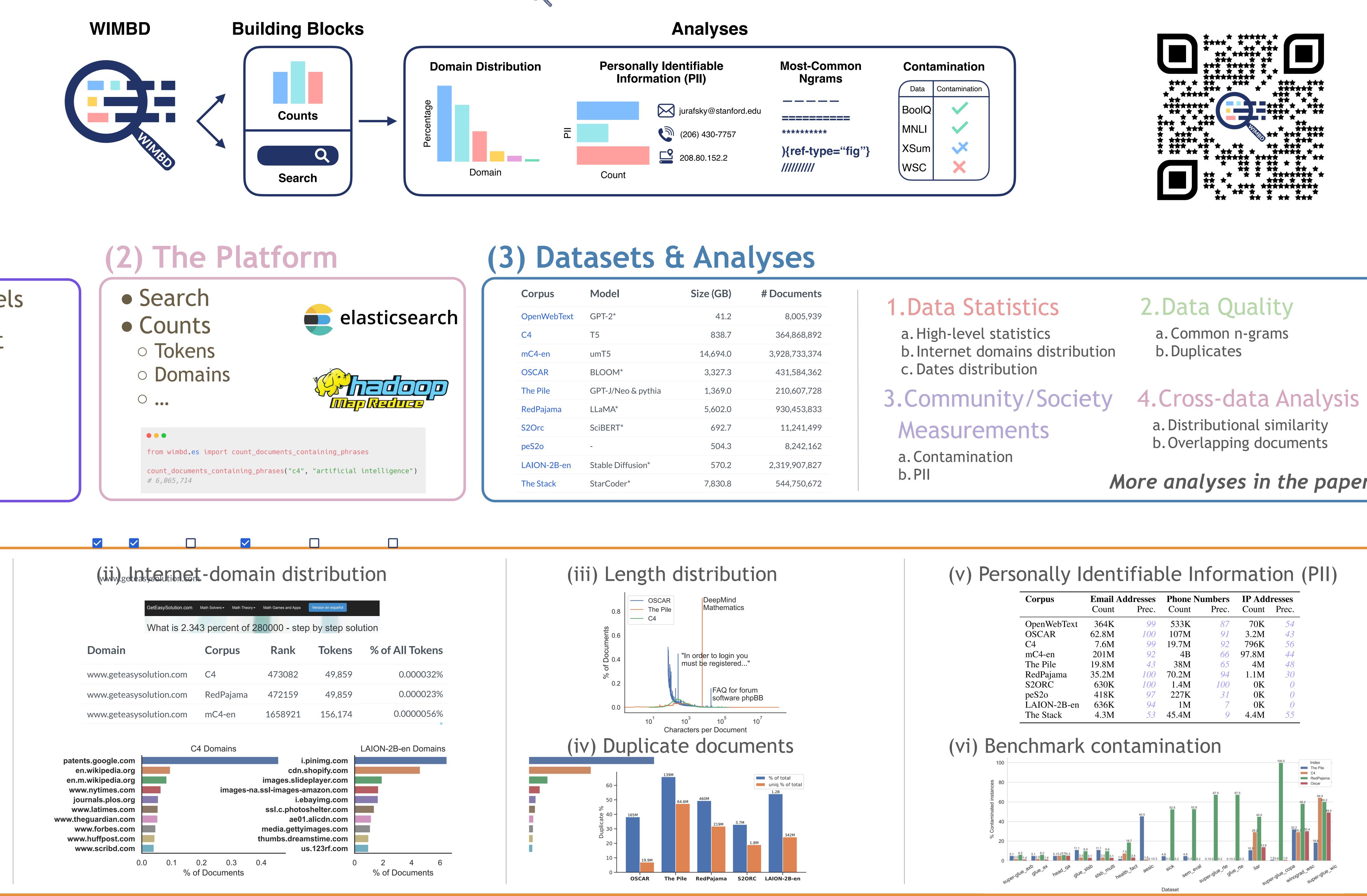
(i) Most common n-grams

OpenWebText		C4			
<i>n</i> -gram	Count	n-gram	Count		
	3.4M	??????????	9M		
	1.05M	•••••	7.27M		
	830K		4.41M		
* * * * * * * * *	595K	* * * * * * * * *	3.87M		
# # # # # # # # #	302K	1 1 1 1 1 1 1 1 1 1	1.91M		
amp ; amp ; amp ; amp ; amp ;	278K	. You can follow any responses to this entry through	784K		
; amp ; amp ; amp ; amp ; amp	265K		753K		
	249K	You can follow any responses to this entry through the	752K		
	88.1K	can follow any responses to this entry through the RSS	752K		
\sim \sim \sim \sim \sim \sim \sim \sim \sim	83.3K	follow any responses to this entry through the RSS 2.0	748K		

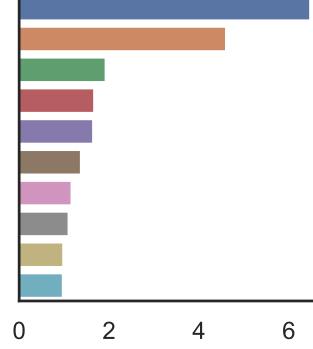
LAION-2B-en		The Stack			
<i>n</i> -gram	Count	<i>n</i> -gram	Count		
	1.65M		4.29B		
$\mathbf{\hat{v}}$	1.43M	* * * * * * * * *	3.87B		
· · · · · · · · · · · · · · · · · · ·	1.15M	000000000	2.75B		
	809K	=========	2.62B		
< br / > < br / > < br	797K	, " resolved " : " https : / /	1.46B		
/ > < br / > < br / >	796K	", "resolved ": "https:/	1.46B		
br / > < br / > < br /	796K	" resolved " : " https : / / registry.npmjs.org	1.42B		
> < br / > < br / > <	576K	resolved ": " https://registry.npmjs.org/	1.42B		
Price : 1 Credit (USD \$ 1)	437K	· · · · · · · · · · · · · · · · · · ·	1 B		
vector Price : 1 Credit (USD \$ 1	437K	. tgz ", " integrity ": " sha512	938M		

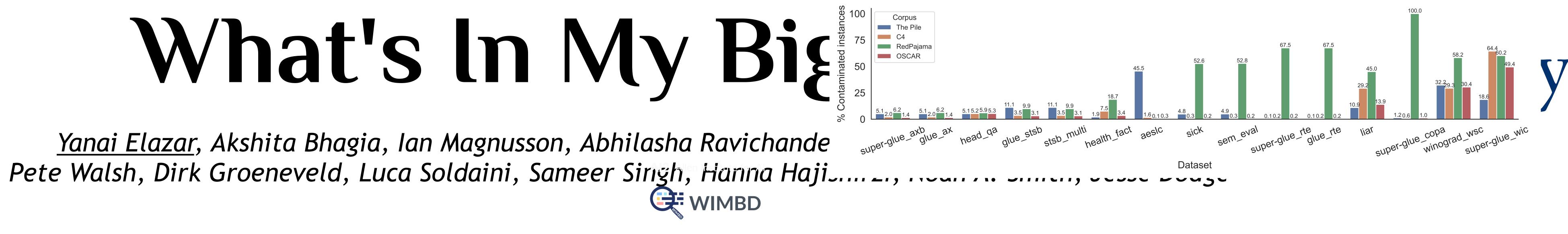
What's In My Big 1

Yanai Elazar, Akshita Bhagia, Ian Magnusson, Abhilasha Ravichande









	# Documents	Size (GB)	Model	Corpus
1.Da	8,005,939	41.2	GPT-2*	OpenWebText
a.Hi	364,868,892	838.7	Τ5	C4
b.In	3,928,733,374	14,694.0	umT5	mC4-en
c. Da	431,584,362	3,327.3	BLOOM*	OSCAR
3.Co	210,607,728	1,369.0	GPT-J/Neo & pythia	The Pile
J.CU	930,453,833	5,602.0	LLaMA*	RedPajama
Me	11,241,499	692.7	SciBERT*	S2Orc
	8,242,162	504.3	-	peS2o
a.Co	2,319,907,827	570.2	Stable Diffusion*	LAION-2B-en
b.PII	544,750,672	7,830.8	StarCoder*	The Stack





More analyses in the paper!

Corpus	Email Addresses		Phone Numbers		IP Addresses	
	Count	Prec.	Count	Prec.	Count	Prec.
OpenWebText	364K	99	533K	87	70K	54
OSCAR	62.8M	100	107M	91	3.2M	43
C4	7.6M	99	19.7M	92	796K	56
mC4-en	201M	92	4B	66	97.8M	44
The Pile	19.8M	43	38M	65	4M	48
RedPajama	35.2M	100	70.2M	94	1.1M	30
S2ORC	630K	100	1.4M	100	0K	0
peS2o	418K	97	227K	31	0K	0
LAION-2B-en	636K	94	1 M	7	0K	C
The Stack	4.3M	53	45.4M	9	4.4M	55