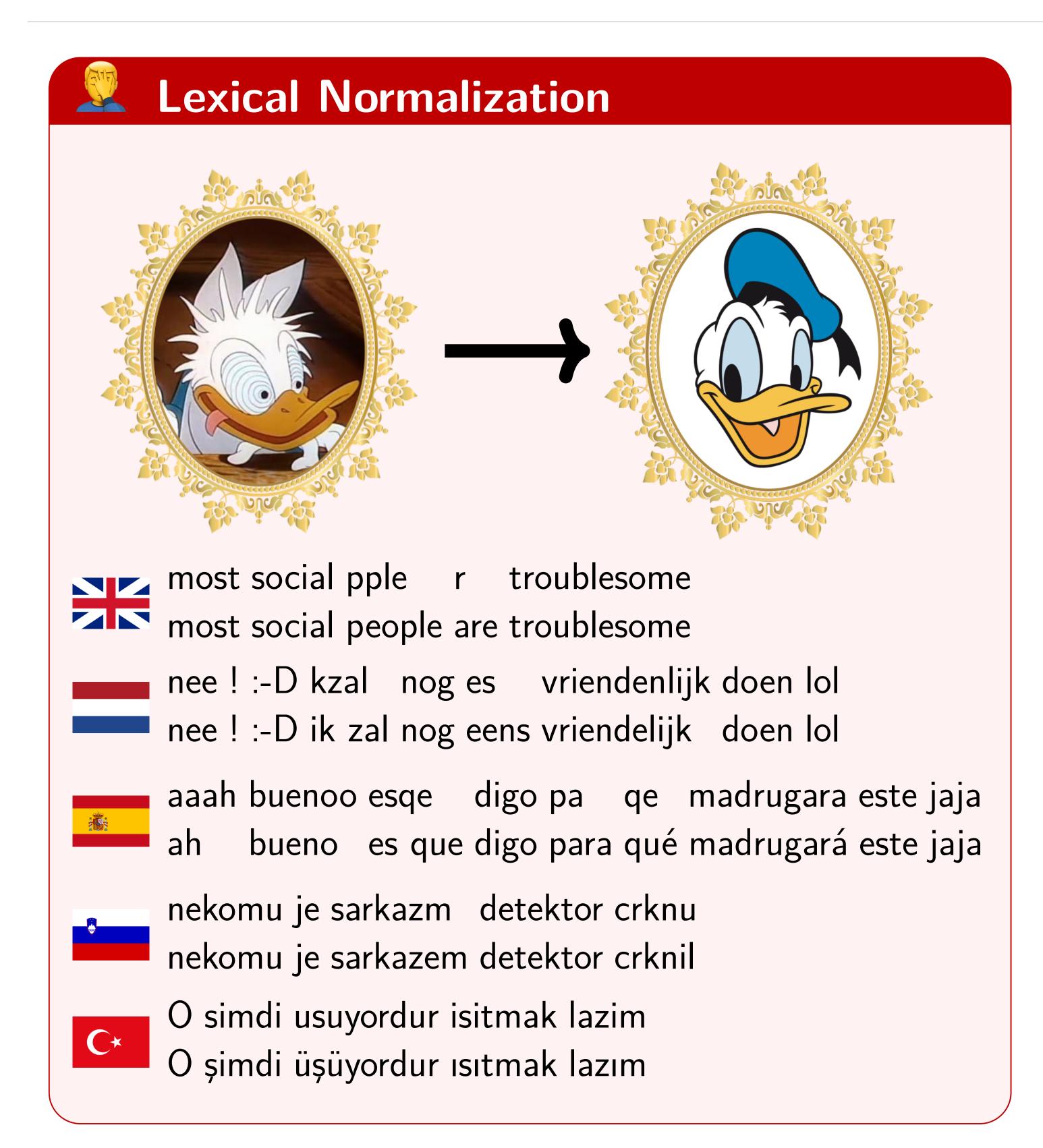
## MoNoise: A Multi-lingual and Easy-to-use Lexical Normalization Tool.

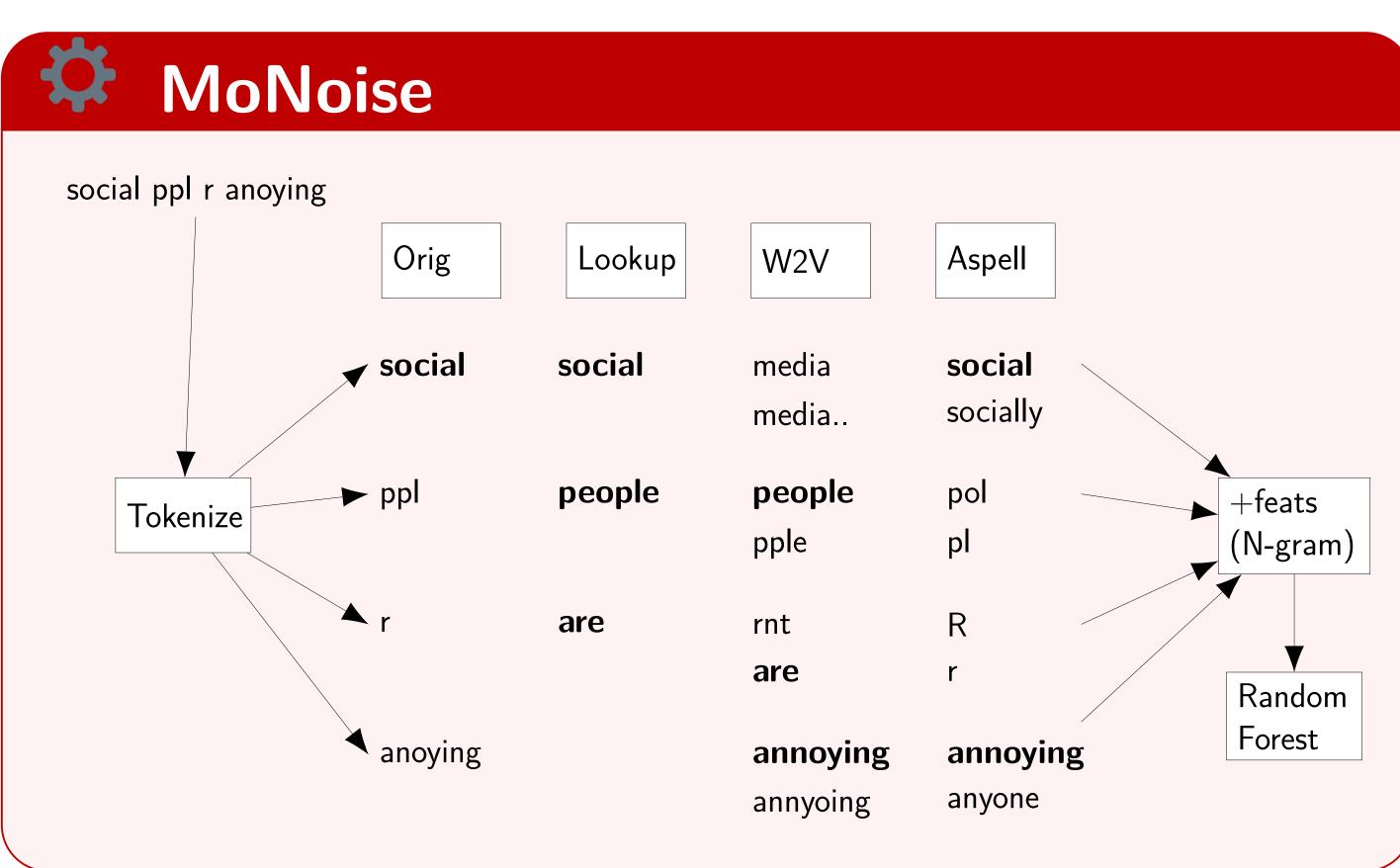
Rob van der Goot



## www.robvandergoot.com/monoise







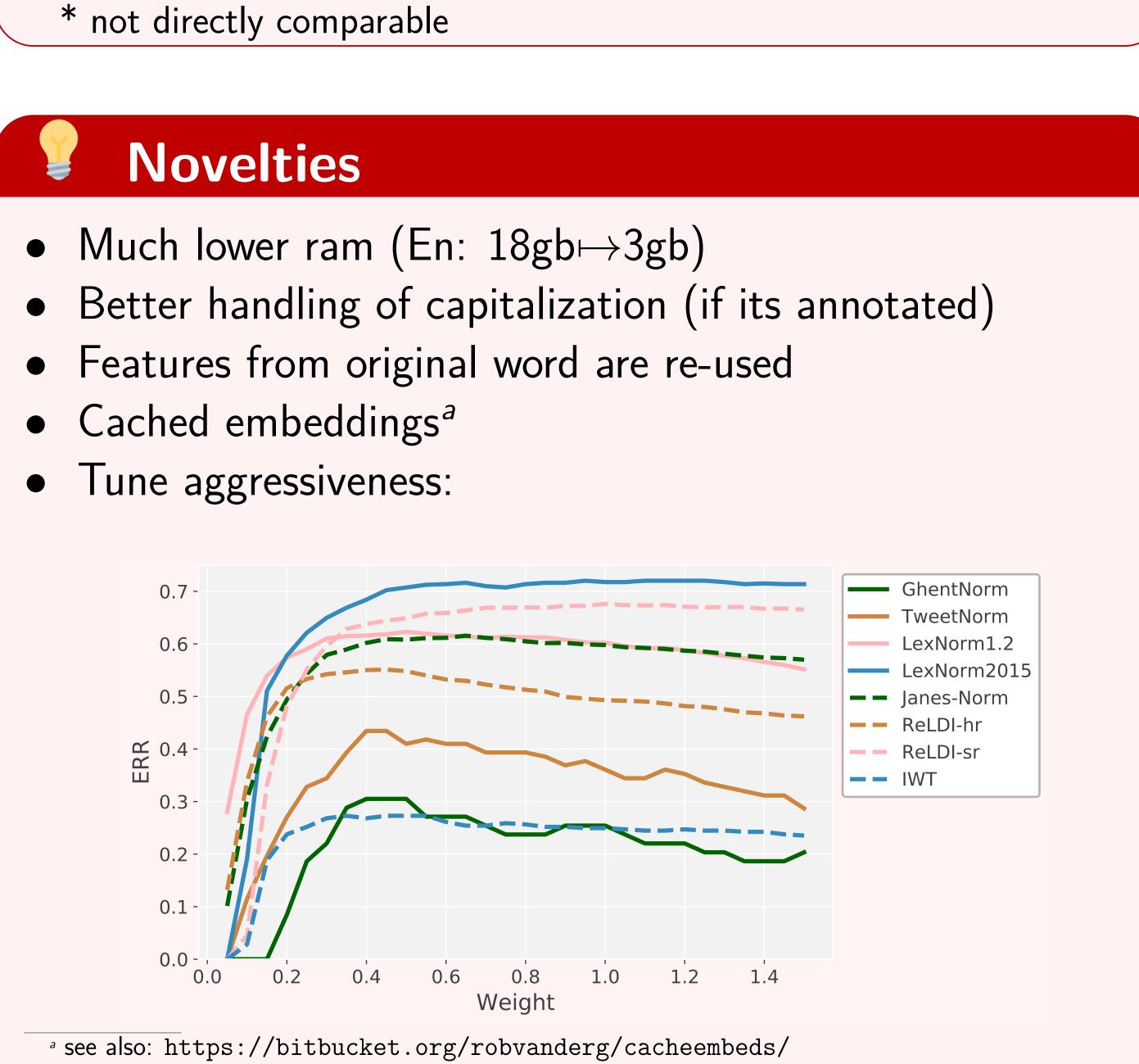
Novel b	enchn	nark					
Corpus	Words	Lang.	%norm	1-N	Caps	Source	
GhentNorm	12,901	NL	4.8	+	+-	[3]	
TweetNorm	13,542	ES	6.3	+	+-	[1]	
LexNorm1.2	10,576	EN	11.6	-	_	[14]	
LiLiu	40,560	EN	10.5	_	+-	[7]	
LexNorm2015	73,806	EN	9.1	+	_	[2]	
IWT	38,918	TR	8.5	+	+	[5]	
Janes-Norm	75,276	SL	15.0	_	+-	[4]	
ReLDI-hr	89,052	HR	9.0	_	+-	[9]	
ReLDI-sr	91,738	SR	8.0	_	+-	[10]	

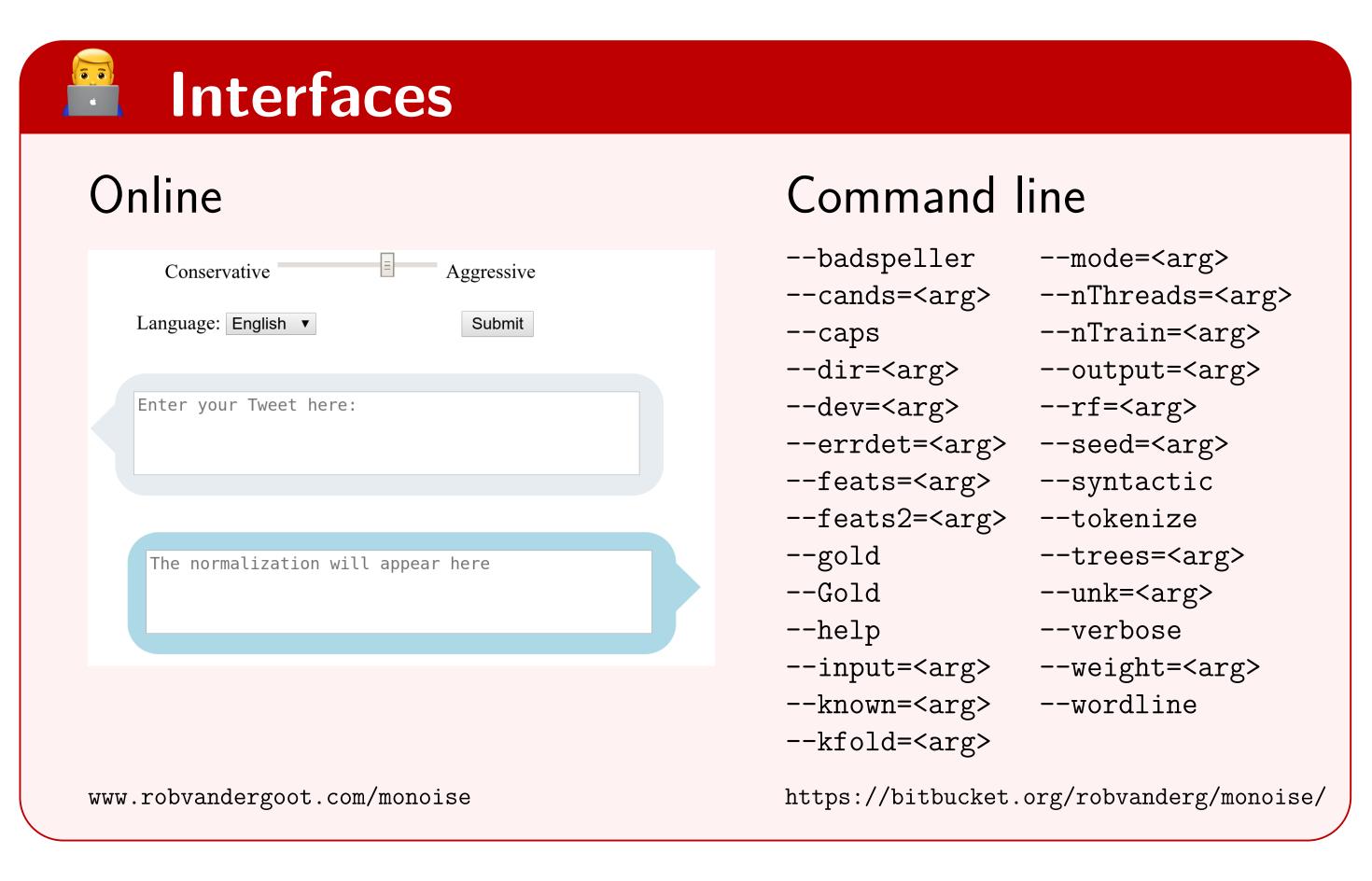
Error Reduction Rate:

$$ERR = \frac{Accuracy_{system} - Accuracy_{baseline}}{1.0 - Accuracy_{baseline}}$$
(1)

- Easily interpretable: percentage of problem solved
- Cross-corpus comparison
- Evaluates complete normalization task

Evalua	tion					
Corpus	Lang	ERR	Prev.	Metric	Prev.	MoNoise
GhentNorm	NL	44.62	[13]	WER	3.2	1.36*
TweetNorm	ES	38.73	[12]	OOV-Prec.	63.4	70.40
LexNorm1.2	EN	59.21	[8]	OOV Acc.	87.58	87.63
LexNorm2015	EN	77.09	[6]	F1	84.21	86.58
IWT	TR	28.94	[5]	OOV Acc.	67.37	48.99
Janes-Norm	SL	31.67	[11] L1	CER	0.38	0.53
Janes-Norm	SL	63.90	[11] L3	CER	1.58	2.24
ReLDI-hr	HR	51.65				
ReLDI-sr	SR	64.61				







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