

Georgia Tech M



Controllable Text Simplification with Explicit Paraphrasing Mounica Maddela, Fernando Alva Manchego and Wei Xu





_	Combine splits as candidates.
	e exhibition features 27 portraits. The exhibition ened Oct. 8 and runs through Jan. 3.
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Lc	oss function:
$L_{.}$	$_{MR} = \frac{1}{m} \sum_{k=1}^{m} \frac{1}{n_k^2} \sum_{i=1}^{n_k} \sum_{j=1, i \neq j}^{n_k} \max(0, 1 - l_{ij}^k d_{ij}^k)$
	$k_{ij} = g(\mathbf{v}_i^k) - g(\mathbf{v}_j^k)$
l^k_{ij}	$f_j = sign\left(g^*(\mathbf{v}_i^k, \mathbf{y}^k) - g^*(\mathbf{v}_j^k, \mathbf{y}^k)\right) $ (2)
Rar	nker score Length-penalized BERTScore
ning J. to	 Controllability of edit operations: Split / Delete Candidate Selection Paraphrase Copy-control token
	5. Takeaways

Control over 3 types of edit operations.

Inject linguistic knowledge into neural models.

New dataset to evaluate lexical paraphrasing.

Evaluation setup for edit operations.

Code/data at https://github.com/ mounicam/controllable simplification

