ASR Experiments

Full Dataset

ASR system	Data	mixed LM	DLM	combined
SAT	Dev	45.59	45.59	**44.93**[*]
	Test	47.43	47.48	**46.96**[*]
TDNN+SAT	Dev	35.20	35.26	**34.91**[*]
	Test	37.42	37.35	**37.17**[*]
RNNLM Rescoring	Dev	34.21	34.11	**33.85**[*]
	Test	36.64	36.52	**36.37**[*]

ASR system	Data	mixed LM	DLM	combined
SAT	Dev	48.48	48.17	**47.67**[1]
	Test	49.07	49.04	**48.52**[*]
TDNN+SAT	Dev	40.59	40.48	**40.12**[*]
	Test	41.34	41.32	**41.13**[*]
RNNLM Rescoring	Dev	40.20	40.09	**39.84**[*]
	Test	40.98	40.90	**40.72**[*]

Half Dataset

* Statistically significant improvement (at $p < 0.001$)

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Summary of n-gram DLM

Advantages