ASR Experiments

	ASR system	Data	mixed LM	DLM	combined
Full Dataset	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
SAI	Test	49.07	49.04	48.52*
TDNN+SAT	Dev	40.59	40.48	40.12*
IDNNTSAI	Test	41.34	41.32	41.13*
RNNLM Rescoring	Dev	40.20	40.09	39.84*
KININLIVI KESCOTIIIg	Test	40.98	40.90	40.72*
		,		

Half Dataset

* Statistically significant improvement (at p < 0.001)



ASR Experiments

Full Dataset

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

ASR system	Data	mixed LM	DLM	combined
SAT	Dev	48.48	48.17	47.67 ¹
SAI	Test	49.07	49.04	48.52*
TDNN+SAT	Dev	40.59	40.48	40.12*
IDMNTSAI	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)

Summary of n-gram DLM

Advantages