

	Sentence Retrieval				Image Retrieval			
	R@1	R@5	R@10	Med r	R@1	R@5	R@10	Med r
Random Ranking	0.1	0.6	1.1	631	0.1	0.5	1.0	500
DeViSE	4.5	18.1	29.2	26	6.7	21.9	32.7	25
SDT-RNN	9.6	29.8	41.1	16	8.9	29.8	41.1	16
MNLM	14.8	39.2	50.9	10	11.8	34.0	46.3	13
MNLM-vgg	23.0	50.7	62.9	5	16.8	42.0	56.5	8
m -RNN	18.4	40.2	50.9	10	12.6	31.2	41.5	16
m -RNN-vgg	35.4	63.8	73.7	3	22.8	50.7	63.1	5
Deep Fragment	14.2	37.7	51.3	10	10.2	30.8	44.2	14
RVP (T)	11.9	25.0	47.7	12	12.8	32.9	44.5	13
RVP (T+I)	12.1	27.8	47.8	11	12.7	33.1	44.9	12.5
DVSA (DepTree)	20.0	46.6	59.4	5.4	15.0	36.5	48.2	10.4
DVSA (BRNN)	22.2	48.2	61.4	4.8	15.2	37.7	50.5	9.2
DCCA	16.7	39.3	52.9	8	12.6	31.0	43.0	15
NIC	17.0	*	56.0	7	17.0	*	57.0	7
LRCN	*	*	*	*	17.5	40.3	50.8	9
RTP (joint training)	31.0	58.6	67.9	*	22.0	50.7	62.0	*
RTP (SAE)	36.7	61.9	73.6	*	25.4	55.2	68.6	*
RTP (weighted distance)	37.4	63.1	74.3	*	26.0	56.0	69.3	*
FV (Mean Vec)	24.8	52.5	64.3	5	20.5	46.3	59.3	6.8
FV (GMM)	33.0	60.7	71.9	3	23.9	51.6	64.9	5
FV (LMM)	32.5	59.9	71.5	3.2	23.6	51.2	64.4	5
FV (HGLMM)	34.4	61.0	72.3	3	24.4	52.1	65.6	5
FV (GMM+HGLMM)	35.0	62.0	73.8	3	25.0	52.7	66.0	5
OverFeat :								
m -CNN _{wd}	12.7	30.2	44.5	14	11.6	32.1	44.2	14
m -CNN _{phs}	14.4	38.6	49.6	11	12.4	33.3	44.7	14
m -CNN _{phl}	13.8	38.1	48.5	11.5	11.6	32.7	44.1	14
m -CNN _{st}	14.8	37.9	49.8	11	12.5	32.8	44.2	14
m -CNN _{ENS}	20.1	44.2	56.3	8	15.9	40.3	51.9	9.5
VGG :								
m -CNN _{wd}	21.3	53.2	66.1	5	18.2	47.2	60.9	6
m -CNN _{phs}	25.0	54.8	66.8	4.5	19.7	48.2	62.2	6
m -CNN _{phl}	23.9	54.2	66.0	5	19.4	49.3	62.4	6
m -CNN _{st}	27.0	56.4	70.1	4	19.7	48.4	62.3	6
m -CNN _{ENS}	33.6	64.1	74.9	3	26.2	56.3	69.6	4