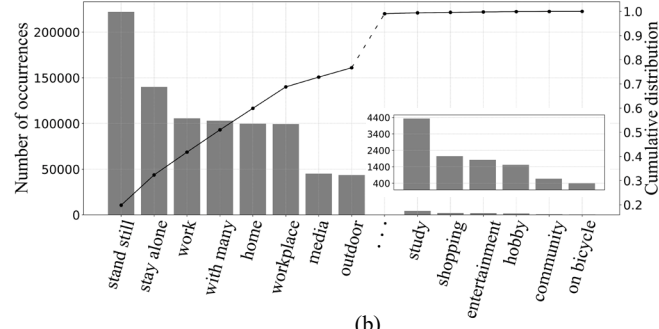


(a)



(b)

TABLE1 : TRAINING AND TESTING LABEL DISTRIBUTION IN EXTRASENSORY DATASET

	training datasets				testing datasets			
	most popular		least popular		most popular		least popular	
	label	count	label	count	label	count	label	count
fold1	indoors	150899	take elevator	200	indoors	33793	take elevator	0
fold2	indoors	148716	take elevator	124	indoors	35976	at the bar	0
fold3	indoors	133219	at the bar	177	indoors	51473	downstairs	0
fold4	indoors	144121	take elevator	158	indoors	40571	at the beach	0
fold5	indoors	161813	take elevator	118	indoors	22879	drink alcohol	0

TABLE2 : TRAINING AND TESTING LABEL DISTRIBUTION IN ETRI LIFELOG DATASET

	training datasets				testing datasets			
	most popular		least popular		most popular		least popular	
	label	count	label	count	label	count	label	count
fold1	stand still	158184	on bicycle	304	stand still	63935	house care	0
fold2	stand still	189234	on bicycle	359	stand still	32885	community	0
fold3	stand still	190451	on bicycle	362	stand still	31668	study	0
fold4	stand still	177063	community	156	stand still	45056	house care	38
fold5	stand still	173544	on bicycle	335	stand still	48575	community	60