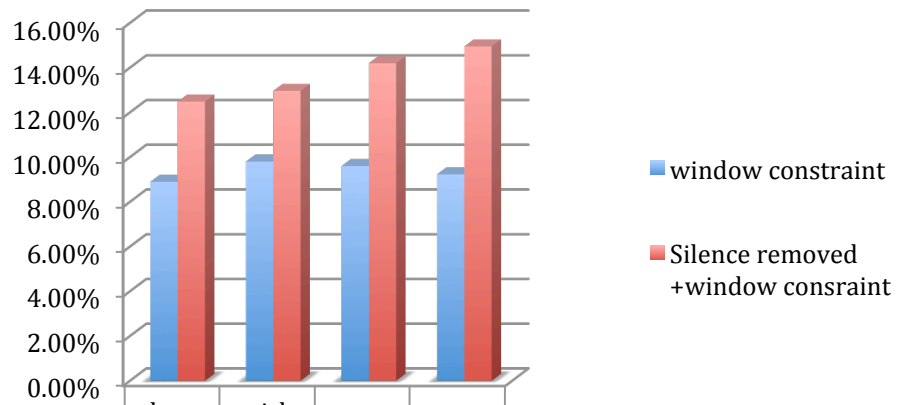
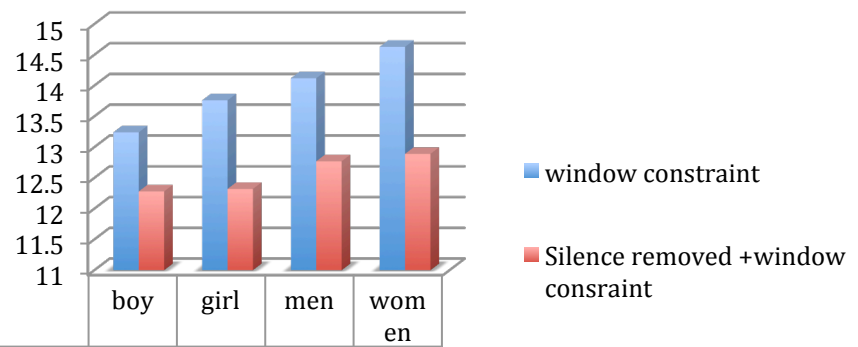


## Accuracy



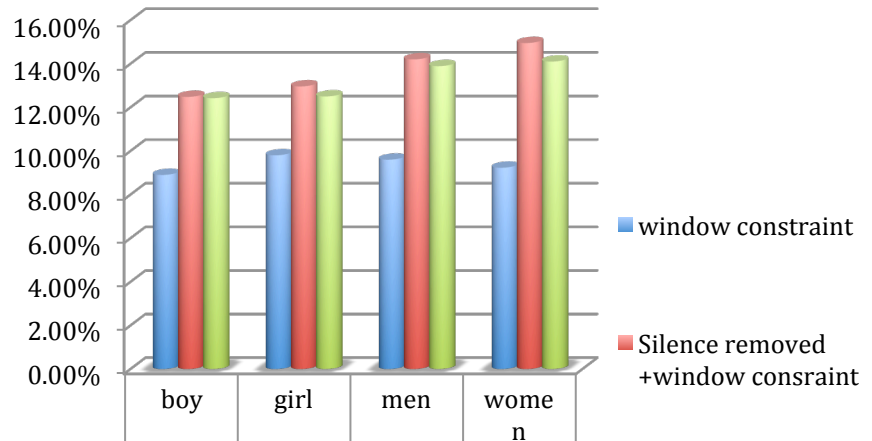
	boy	girl	men	women
window constraint	8.90%	9.80%	9.60%	9.23%
Silence removed +window constraint	12.48%	12.96%	14.20%	14.95%

## ln(time)



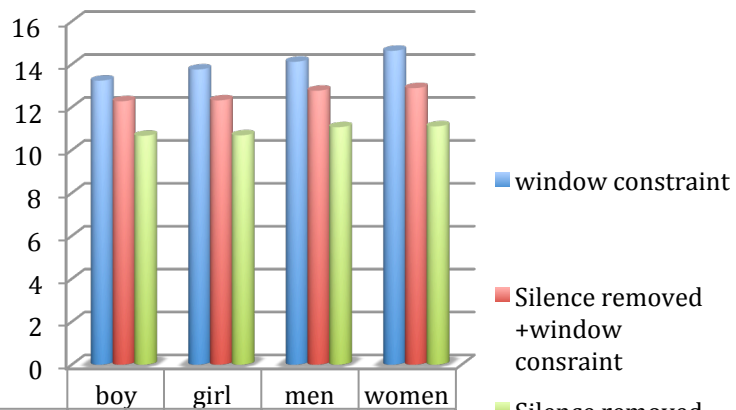
	boy	girl	men	women
window constraint	13.24	13.76	14.12	14.63
Silence removed +window constraint	12.28	12.32	12.77	12.89

## Accuracy

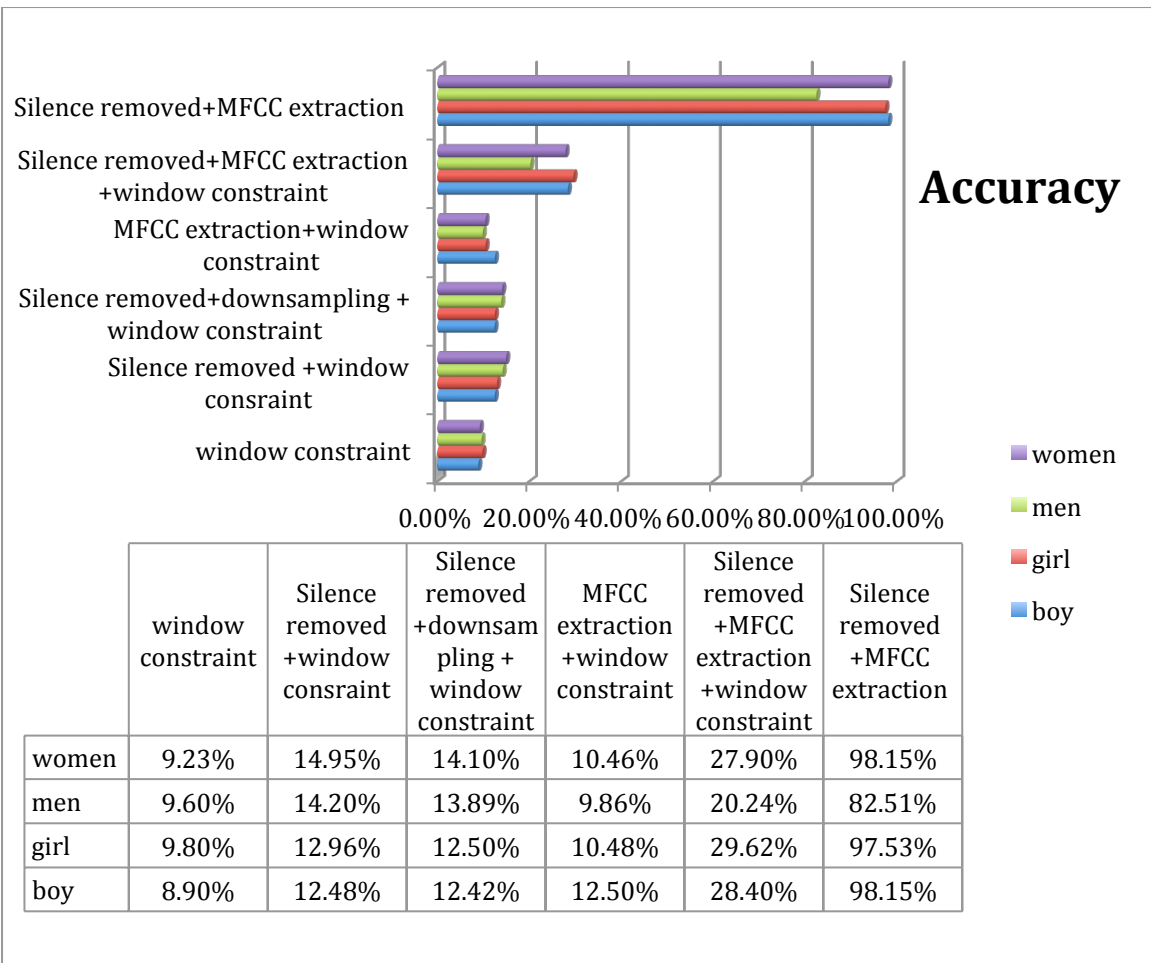


window constraint	8.90%	9.80%	9.60%	9.23%
Silence removed +window consraint	12.48%	12.96%	14.20%	14.95%
Silence removed+downsampling + window constraint	12.42%	12.50%	13.89%	14.10%

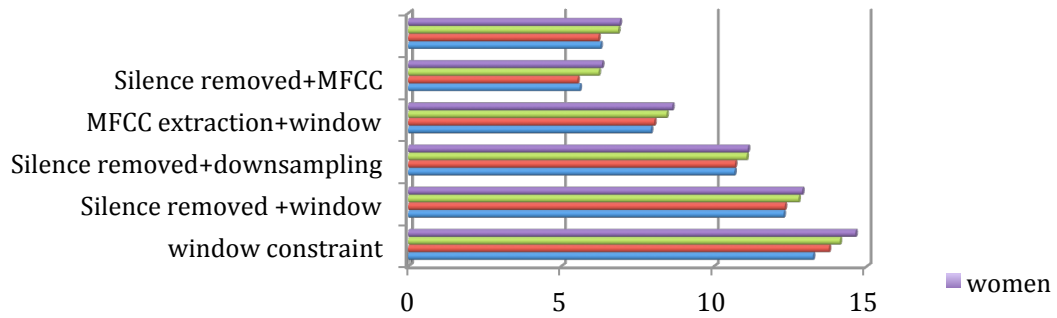
## ln(time)



window constraint	13.24	13.76	14.12	14.63
Silence removed +window consraint	12.28	12.32	12.77	12.89
Silence removed +downsampling + window constraint	10.67	10.69	11.07	11.11

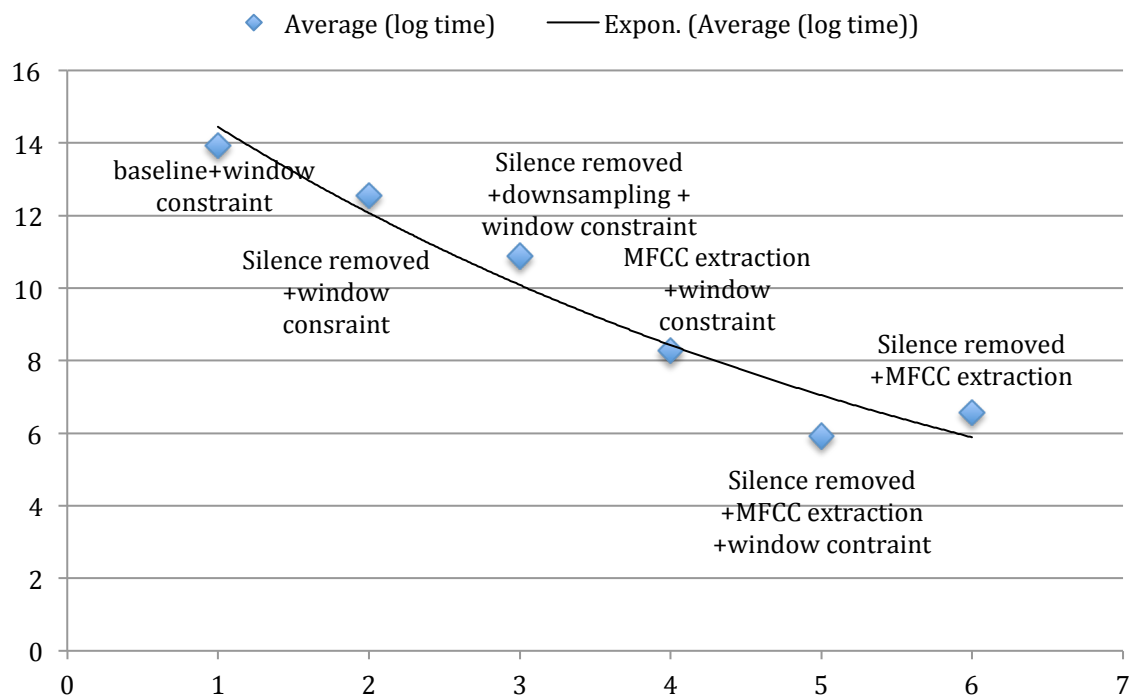


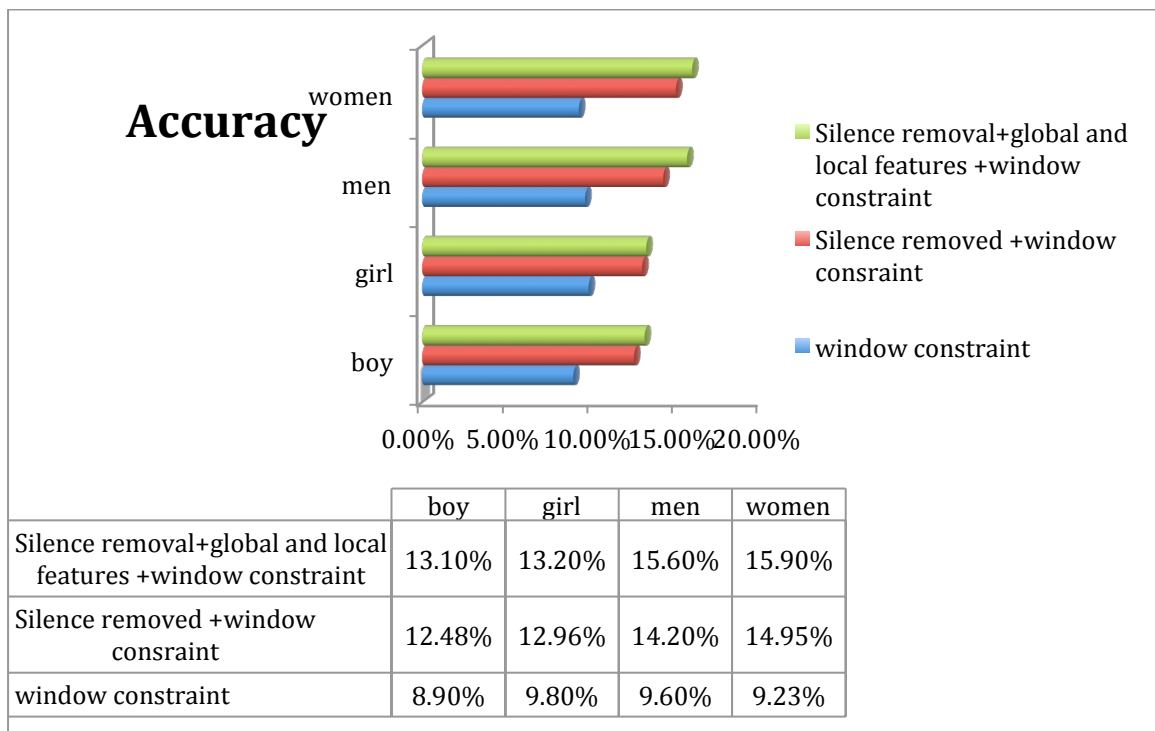
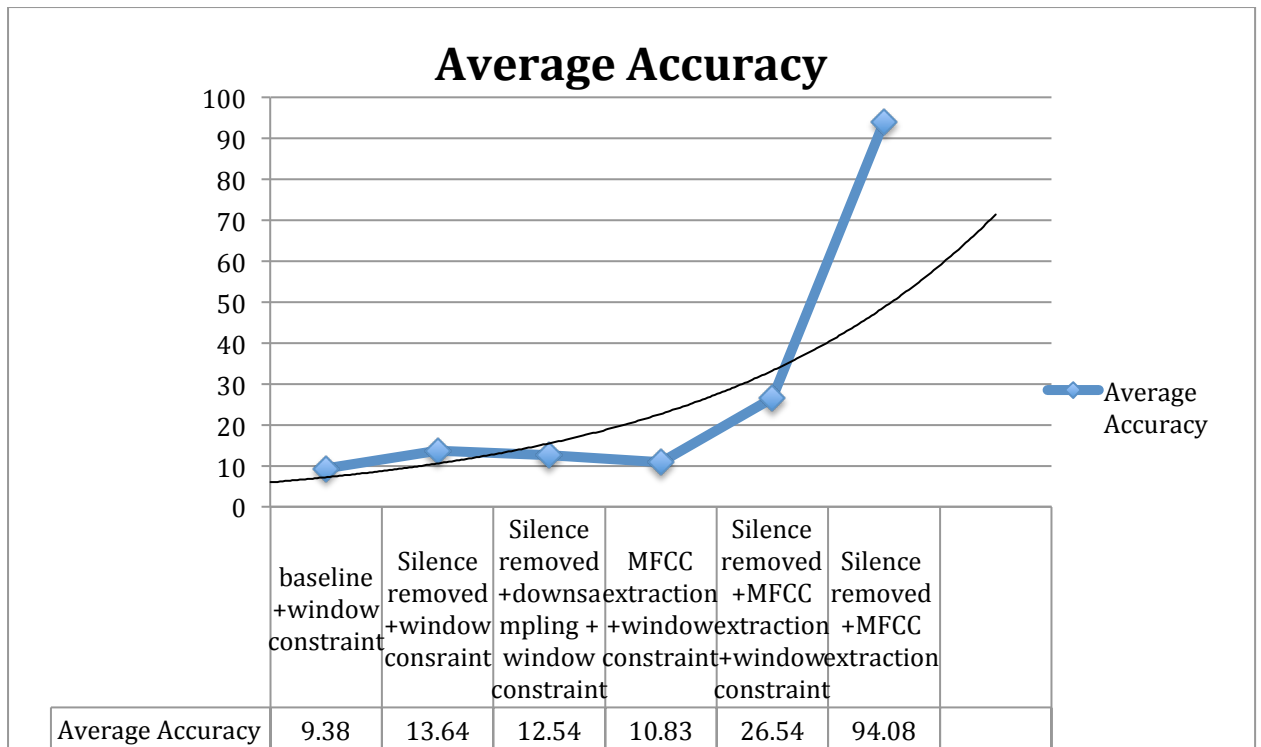
## ln(time)



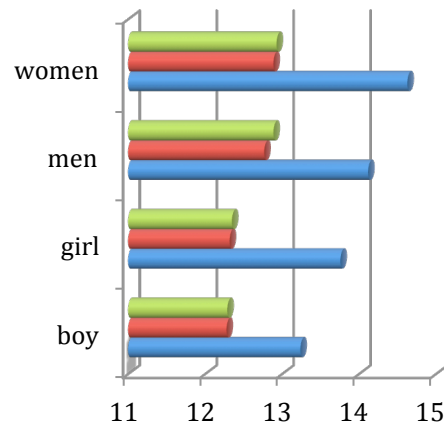
	window constraint	Silence removed +window consraint	Silence removed +downsa mpling + window constraint	MFCC extraction +window constraint	Silence removed +MFCC extraction +window constraint	Silence removed +MFCC extraction
women	14.63	12.89	11.11	8.64	6.34	6.92
men	14.12	12.77	11.07	8.45	6.23	6.87
girl	13.76	12.32	10.69	8.05	5.54	6.22
boy	13.24	12.28	10.67	7.94	5.61	6.29

## Average (ln (time))





## ln(time)



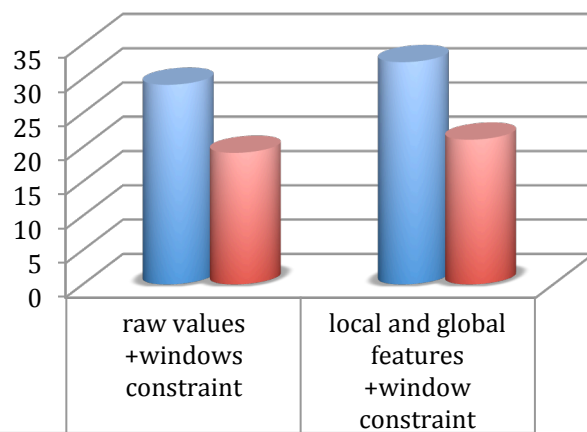
■ Silence Removal+global and local features +DTW+window constraint

■ Silence removed +window constraint

■ window constraint

	boy	girl	men	wome n
Silence Removal+global and local features +DTW+window constraint	12.29	12.35	12.89	12.93
Silence removed +window constraint	12.28	12.32	12.77	12.89
window constraint	13.24	13.76	14.12	14.63

## Accuracy(%)

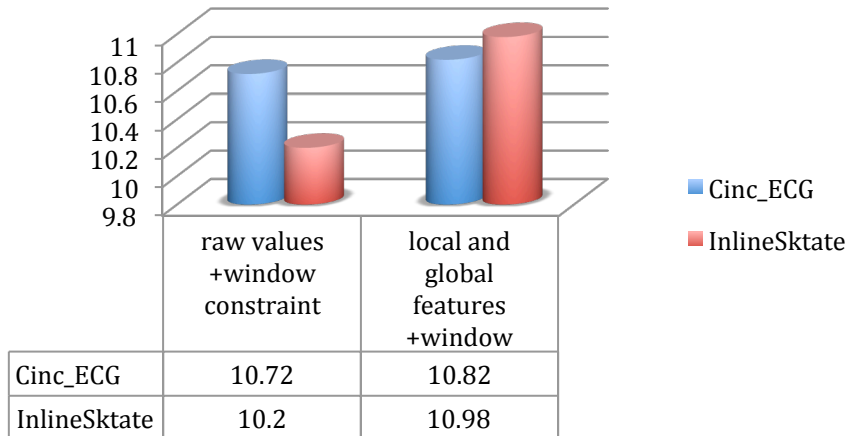


■ Cinc\_ECG

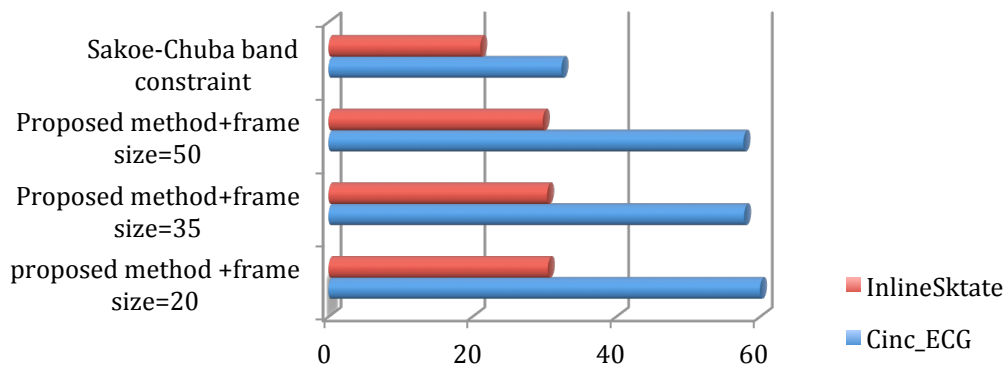
■ InlineSkate

	raw values +windows constraint	local and global features +window constraint
Cinc_ECG	29.1	32.4
InlineSkate	19.18	21.1

## ln(time)

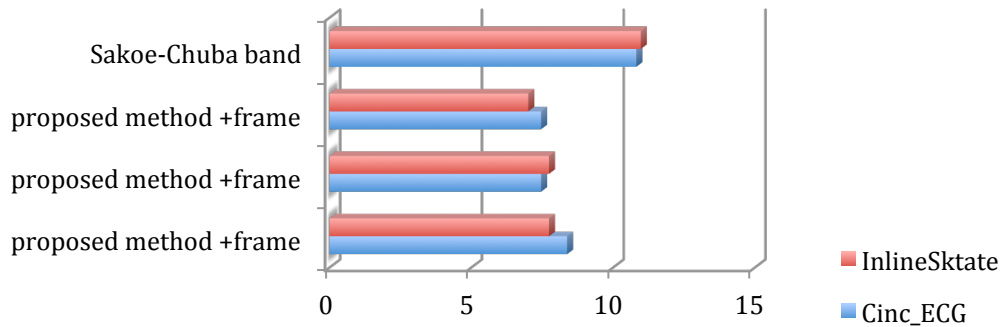


## Accuracy



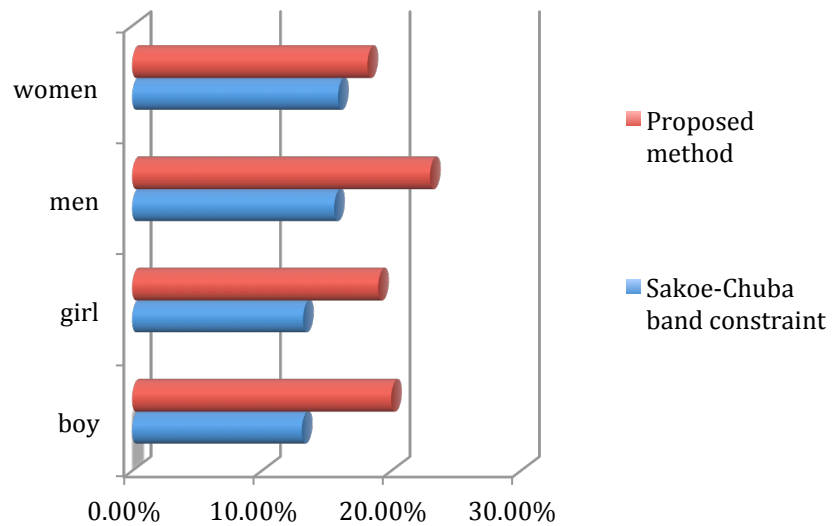
	proposed method +frame size=20	Proposed method +frame size=35	Proposed method +frame size=50	Sakoe- Chuba band constraint
InlineSkate	30.5	30.4	29.8	21.1
Cinc_ECG	60	57.8	57.7	32.4

## Log(time)



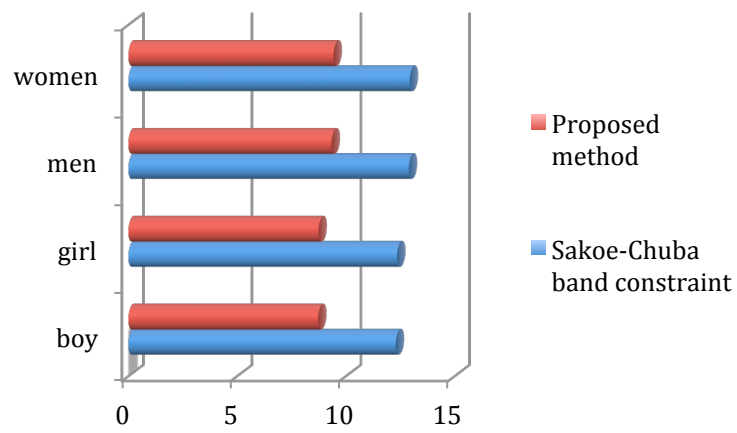
	proposed method +frame size=20	proposed method +frame size=35	proposed method +frame size=50	Sakoe-Chuba band constraint
InlineSkate	7.74	7.74	7.01	10.98
Cinc_ECG	8.377	7.46	7.46	10.82

## Accuracy



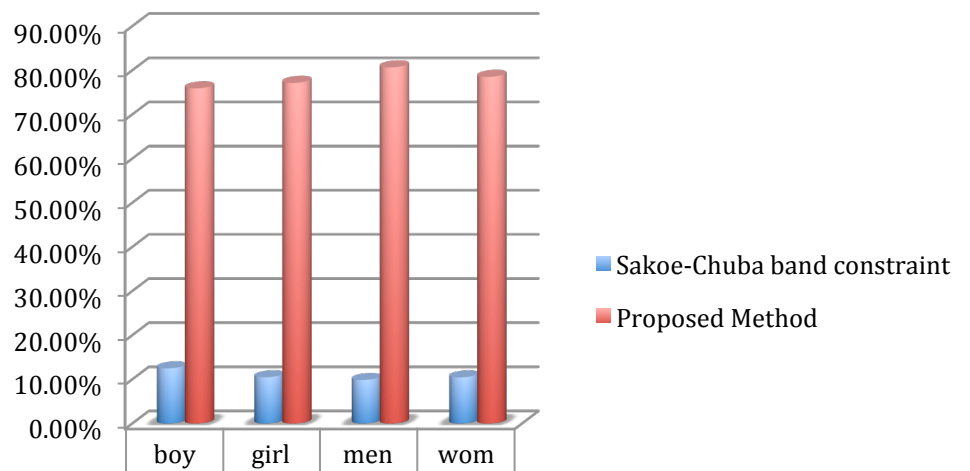
	boy	girl	men	women
Proposed method	20%	19.00%	23%	18.17%
Sakoe-Chuba band constraint	13.10%	13.20%	15.60%	15.90%





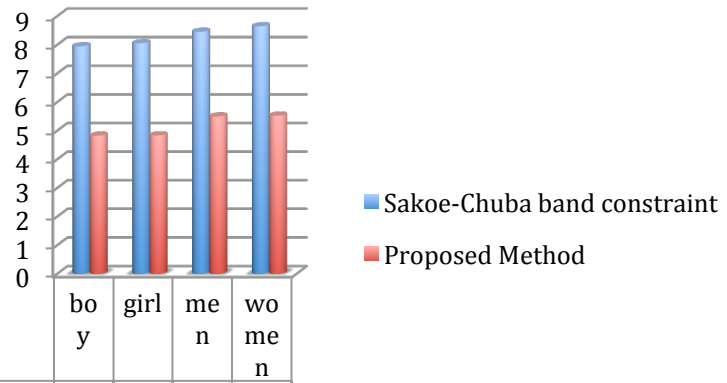
	boy	girl	men	women
Proposed method	8.72	8.74	9.34	9.43
Sakoe-Chuba band constraint	12.29	12.35	12.89	12.93

## Accuracy



	boy	girl	men	women
Sakoe-Chuba band constraint	12.50%	10.48%	9.86%	10.46%
Proposed Method	75.92%	77.16%	80.67%	78.53%

## Log(time)



Sakoe-Chuba band constraint	7.94	8.05	8.45	8.64
Proposed Method	4.82	4.83	5.49	5.52