

**Analysis name : All videos, ROI1, time based estimation,
components: G, GRD, ExG, ICA**

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Rozdział 1. General information

1.1. Abbreviations used

FT-face tracking, FA-face analysis, HR-detectHR

Me - mean of the heart rate error [bpm], Mae - mean absolute error [bpm], SDe - standard deviation of the error [bpm], RMSE - root mean squared error [bpm]

Merp - mean of error rate percentage [%], sRate - succes rate [%]

r,p - correlation coefficient and p-values for testing the hypothesis that there is no relationship between the observed phenomena (null hypothesis).

meanLight - mean illumination [lux], stdAcc - std of all 3 (or more) components of acceleration sensor data

stdR - std of all head rotations, stdT - std of all head translations (from face tracking algorithm)

Rozdział 2. video 1, G, TIME_ROI1

2.1. Experiment details

Experiment name : video 1, G, TIME_ROI1

Date : 26-Nov-2018 13:34:06

Camera : RGBRealSense

- relal/target fps = 59.6/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-g-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

2.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	' [bpm] '	' [bpm] '	' [bpm] '	' [bpm] '	' [%] '	' [%] '	' '	' '	' [hh:mm:ss] '	' [lux] '	' G '	' '	' '
video_1_G_TIME_ROI1_(1)	'-8.31'	'10.34'	'14.65'	'16.84'	'0.13'	'0.49'	'-0.04'	'0.00'	'00:05:45'	'71.98'	'0.13'	'0.02'	'64.42'

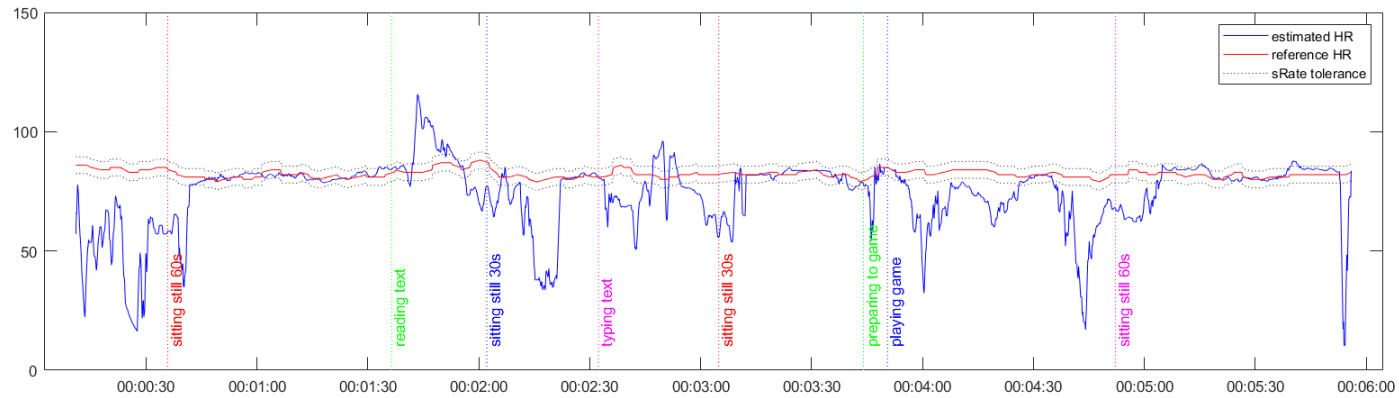
2.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	' [bpm] '	' [bpm] '	' [bpm] '	' [bpm] '	' [%] '	' [%] '	' '	' '	' [hh:mm:ss] '	' [lux] '	' G '	' '	' '

Rozdział 2. video 1, G, TIME_ROI1

1:sitting still 60s	'-2.62'	'3.84'	'8.61'	'9.00'	'0.05'	'0.88'	'-0.15'	'0.00'	'00:01:01'	'77.99'	'0.02'	'0.01'	'6.26'
2:reading text	'3.10'	'9.60'	'12.20'	'12.58'	'0.11'	'0.32'	'-0.42'	'0.00'	'00:00:26'	'76.46'	'0.01'	'0.02'	'36.74'
3:sitting still 30s	'-13.69'	'14.21'	'16.47'	'21.42'	'0.18'	'0.41'	'0.35'	'0.00'	'00:00:30'	'75.90'	'0.01'	'0.01'	'5.48'
4:typing text	'-8.17'	'11.20'	'10.10'	'12.99'	'0.14'	'0.10'	'-0.39'	'0.00'	'00:00:33'	'61.01'	'0.01'	'0.03'	'119.91'
5:sitting still 30s	'-3.16'	'3.99'	'7.25'	'7.90'	'0.05'	'0.78'	'0.04'	'0.07'	'00:00:39'	'64.77'	'0.01'	'0.01'	'7.26'
6:preparing to game	'-5.29'	'5.47'	'7.17'	'8.91'	'0.07'	'0.66'	'0.57'	'0.00'	'00:00:07'	'70.76'	'0.01'	'0.02'	'41.49'
7:playing game	'-13.70'	'13.72'	'12.44'	'18.51'	'0.17'	'0.21'	'0.35'	'0.00'	'00:01:02'	'69.55'	'0.01'	'0.04'	'58.22'
8:sitting still 60s	'-3.62'	'5.99'	'11.17'	'11.74'	'0.07'	'0.69'	'-0.24'	'0.00'	'00:01:04'	'73.67'	'0.01'	'0.03'	'10.00'

2.4. Experiment results (plots)



Rozdział 3. video 1, GRD, TIME_ROI1

3.1. Experiment details

Experiment name : video 1, GRD, TIME_ROI1

Date : 26-Nov-2018 13:34:06

Camera : RGBRealSense

- relal/target fps = 59.6/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-gr-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

3.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_1_GRD_TIME_ROI1_(2)	'-0.70'	'3.00'	'4.29'	'4.34'	'0.04'	'0.70'	'0.26'	'0.00'	'00:05:45'	'71.98'	'0.13'	'0.02'	'64.42'

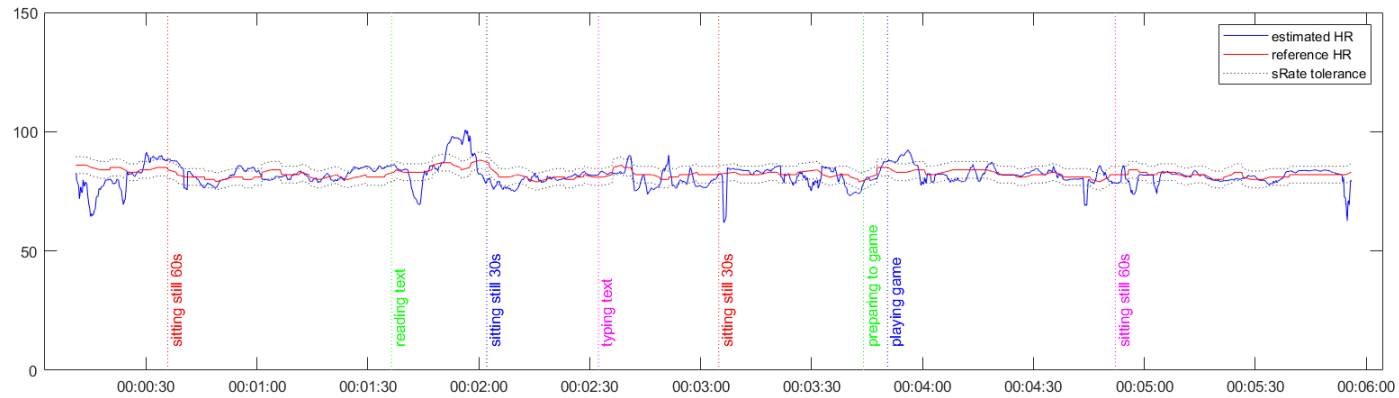
3.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 3. video 1, GRD, TIME_ROI1

1:sitting still 60s	'0.72'	'2.39'	'2.75'	'2.85'	'0.03'	'0.72'	'0.26'	'0.00'	'00:01:01'	'77.99'	'0.02'	'0.01'	'6.26'
2:reading text	'1.29'	'5.74'	'7.40'	'7.51'	'0.07'	'0.49'	'0.35'	'0.00'	'00:00:26'	'76.46'	'0.01'	'0.02'	'36.74'
3:sitting still 30s	'-1.32'	'2.22'	'2.81'	'3.10'	'0.03'	'0.73'	'-0.25'	'0.00'	'00:00:30'	'75.90'	'0.01'	'0.01'	'5.48'
4:typing text	'-1.91'	'3.42'	'3.44'	'3.93'	'0.04'	'0.56'	'0.30'	'0.00'	'00:00:33'	'61.01'	'0.01'	'0.03'	'119.91'
5:sitting still 30s	'-1.32'	'3.04'	'4.21'	'4.41'	'0.04'	'0.72'	'0.21'	'0.00'	'00:00:39'	'64.77'	'0.01'	'0.01'	'7.26'
6:preparing to game	'-0.31'	'1.52'	'1.74'	'1.76'	'0.02'	'0.96'	'0.82'	'0.00'	'00:00:07'	'70.76'	'0.01'	'0.02'	'41.49'
7:playing game	'0.02'	'2.41'	'3.35'	'3.35'	'0.03'	'0.74'	'0.31'	'0.00'	'00:01:02'	'69.55'	'0.01'	'0.04'	'58.22'
8:sitting still 60s	'-0.93'	'1.94'	'3.02'	'3.16'	'0.02'	'0.89'	'-0.02'	'0.16'	'00:01:04'	'73.67'	'0.01'	'0.03'	'10.00'

3.4. Experiment results (plots)



Rozdział 4. video 1, ExG, TIME_ROI1

4.1. Experiment details

Experiment name : video 1, ExG, TIME_ROI1

Date : 26-Nov-2018 13:34:06

Camera : RGBRealSense

- relal/target fps = 59.6/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-exg-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

4.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_1_ExG_TIME_ROI1_(3)	'0.77'	'2.10'	'2.71'	'2.82'	'0.03'	'0.83'	'0.44'	'0.00'	'00:05:45'	'71.98'	'0.13'	'0.02'	'64.42'

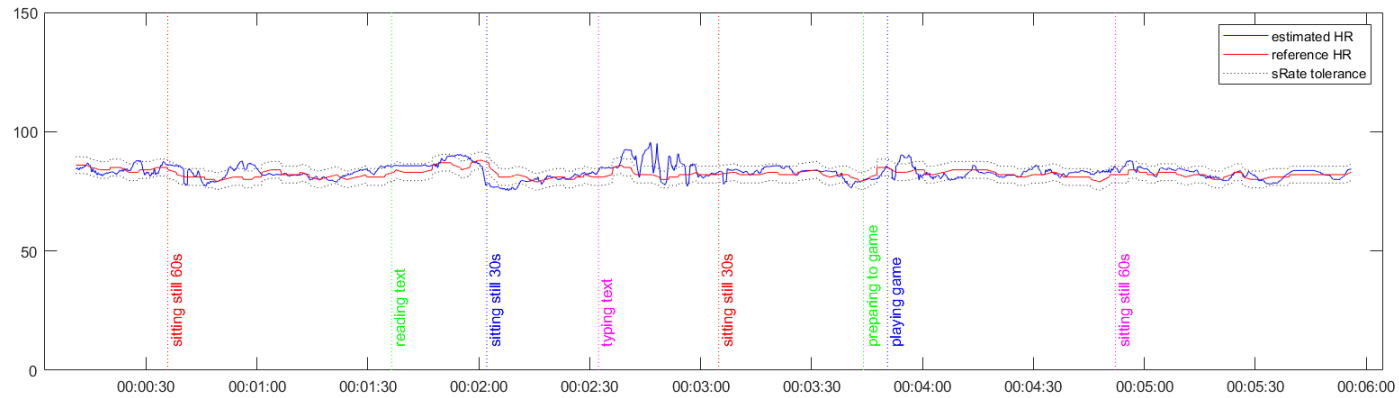
4.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 4. video 1, ExG, TIME_ROI1

1:sitting still 60s	'1.14'	'2.10'	'2.37'	'2.64'	'0.03'	'0.83'	'0.22'	'0.00'	'00:01:01'	'77.99'	'0.02'	'0.01'	'6.26'
2:reading text	'1.80'	'2.75'	'2.74'	'3.27'	'0.03'	'0.77'	'0.12'	'0.00'	'00:00:26'	'76.46'	'0.01'	'0.02'	'36.74'
3:sitting still 30s	'-1.52'	'2.38'	'2.97'	'3.34'	'0.03'	'0.71'	'-0.30'	'0.00'	'00:00:30'	'75.90'	'0.01'	'0.01'	'5.48'
4:typing text	'3.41'	'3.98'	'3.84'	'5.14'	'0.05'	'0.49'	'0.39'	'0.00'	'00:00:33'	'61.01'	'0.01'	'0.03'	'119.91'
5:sitting still 30s	'0.68'	'1.55'	'1.82'	'1.95'	'0.02'	'0.94'	'0.56'	'0.00'	'00:00:39'	'64.77'	'0.01'	'0.01'	'7.26'
6:preparing to game	'-1.31'	'1.50'	'1.50'	'1.99'	'0.02'	'0.88'	'0.73'	'0.00'	'00:00:07'	'70.76'	'0.01'	'0.02'	'41.49'
7:playing game	'0.56'	'1.98'	'2.45'	'2.51'	'0.02'	'0.85'	'0.04'	'0.01'	'00:01:02'	'69.55'	'0.01'	'0.04'	'58.22'
8:sitting still 60s	'0.68'	'1.44'	'1.59'	'1.73'	'0.02'	'0.97'	'0.67'	'0.00'	'00:01:04'	'73.67'	'0.01'	'0.03'	'10.00'

4.4. Experiment results (plots)



Rozdział 5. video 1, ICA, TIME_ROI1

5.1. Experiment details

Experiment name : video 1, ICA, TIME_ROI1

Date : 26-Nov-2018 13:34:06

Camera : RGBRealSense

- relal/target fps = 59.6/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-ica-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

5.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_1_ICA_TIME_ROI1_(4)	'-3.87'	'5.25'	'6.30'	'7.39'	'0.06'	'0.51'	'0.01'	'0.23'	'00:05:45'	'71.98'	'0.13'	'0.02'	'64.42'

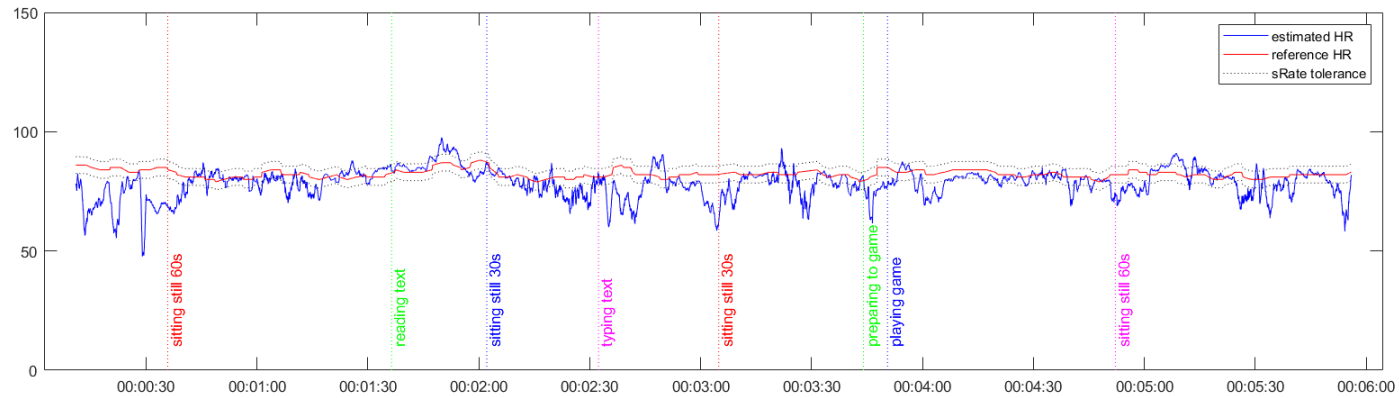
5.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 5. video 1, ICA, TIME_ROI1

1:sitting still 60s	'-1.95'	'3.61'	'4.68'	'5.07'	'0.04'	'0.65'	'-0.24'	'0.00'	'00:01:01'	'77.99'	'0.02'	'0.01'	'6.26'
2:reading text	'1.37'	'3.48'	'4.05'	'4.28'	'0.04'	'0.58'	'0.24'	'0.00'	'00:00:26'	'76.46'	'0.01'	'0.02'	'36.74'
3:sitting still 30s	'-3.72'	'4.30'	'3.96'	'5.43'	'0.05'	'0.49'	'0.42'	'0.00'	'00:00:30'	'75.90'	'0.01'	'0.01'	'5.48'
4:typing text	'-6.91'	'8.40'	'7.78'	'10.40'	'0.10'	'0.28'	'-0.39'	'0.00'	'00:00:33'	'61.01'	'0.01'	'0.03'	'119.91'
5:sitting still 30s	'-3.90'	'4.59'	'5.21'	'6.51'	'0.06'	'0.53'	'-0.26'	'0.00'	'00:00:39'	'64.77'	'0.01'	'0.01'	'7.26'
6:preparing to game	'-8.77'	'8.79'	'3.99'	'9.64'	'0.11'	'0.03'	'0.48'	'0.00'	'00:00:07'	'70.76'	'0.01'	'0.02'	'41.49'
7:playing game	'-2.87'	'3.37'	'3.54'	'4.56'	'0.04'	'0.67'	'0.17'	'0.00'	'00:01:02'	'69.55'	'0.01'	'0.04'	'58.22'
8:sitting still 60s	'-2.84'	'4.84'	'5.68'	'6.35'	'0.06'	'0.49'	'0.10'	'0.00'	'00:01:04'	'73.67'	'0.01'	'0.03'	'10.00'

5.4. Experiment results (plots)



Rozdział 6. video 2, G, TIME_ROI1

6.1. Experiment details

Experiment name : video 2, G, TIME_ROI1

Date : 26-Nov-2018 13:44:37

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-g-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

6.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_2_G_TIME_ROI1_(5)	'-13.01'	'13.92'	'16.88'	'21.31'	'0.14'	'0.38'	'0.03'	'0.00'	'00:05:05'	'86.44'	'0.12'	'0.03'	'41.14'

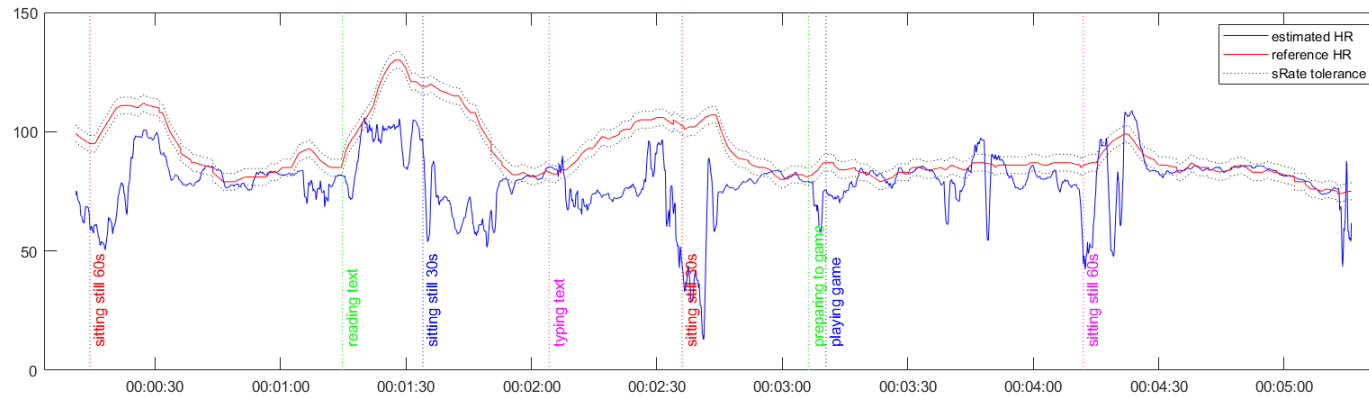
6.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 6. video 2, G, TIME_ROI1

1:sitting still 60s	'-12.67'	'13.07'	'13.98'	'18.87'	'0.13'	'0.34'	'0.13'	'0.00'	'00:01:00'	'93.01'	'0.01'	'0.01'	'14.24'
2:reading text	'-20.05'	'20.07'	'10.31'	'22.55'	'0.17'	'0.08'	'0.60'	'0.00'	'00:00:19'	'91.20'	'0.01'	'0.00'	'14.12'
3:sitting still 30s	'-27.13'	'27.23'	'21.48'	'34.60'	'0.25'	'0.27'	'-0.50'	'0.00'	'00:00:30'	'90.47'	'0.01'	'0.02'	'45.50'
4:typing text	'-21.53'	'21.96'	'12.54'	'24.92'	'0.22'	'0.11'	'-0.01'	'0.77'	'00:00:32'	'63.14'	'0.01'	'0.04'	'15.50'
5:sitting still 30s	'-21.02'	'21.46'	'26.23'	'33.61'	'0.21'	'0.38'	'-0.69'	'0.00'	'00:00:30'	'92.72'	'0.01'	'0.00'	'12.12'
6:preparing to game	'-13.20'	'13.20'	'7.90'	'15.37'	'0.16'	'0.24'	'-0.40'	'0.00'	'00:00:04'	'81.19'	'0.00'	'0.04'	'18.41'
7:playing game	'-4.75'	'6.13'	'6.85'	'8.34'	'0.07'	'0.41'	'0.01'	'0.51'	'00:01:02'	'75.81'	'0.01'	'0.04'	'32.20'
8:sitting still 60s	'-3.61'	'5.76'	'11.28'	'11.84'	'0.07'	'0.71'	'0.33'	'0.00'	'00:01:04'	'95.63'	'0.01'	'0.02'	'52.16'

6.4. Experiment results (plots)



Rozdział 7. video 2, GRD, TIME_ROI1

7.1. Experiment details

Experiment name : video 2, GRD, TIME_ROI1

Date : 26-Nov-2018 13:44:37

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-gr-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

7.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video 2 GRD TIME_ROI1 (6)	'-5.04'	'7.09'	'10.09'	'11.28'	'0.07'	'0.47'	'0.56'	'0.00'	'00:05:05'	'86.44'	'0.12'	'0.03'	'41.14'

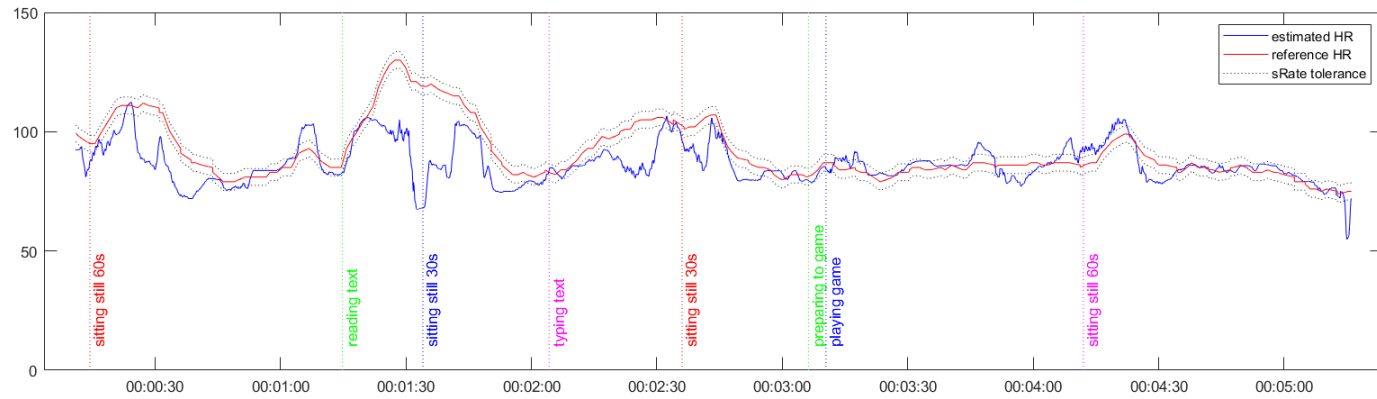
7.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 7. video 2, GRD, TIME_ROI1

1:sitting still 60s	'-5.75'	'7.88'	'8.92'	'10.61'	'0.08'	'0.43'	'0.64'	'0.00'	'00:01:00'	'93.01'	'0.01'	'0.01'	'14.24'
2:reading text	'-19.40'	'19.69'	'16.97'	'25.77'	'0.16'	'0.24'	'0.00'	'0.92'	'00:00:19'	'91.20'	'0.01'	'0.00'	'14.12'
3:sitting still 30s	'-14.64'	'14.65'	'12.38'	'19.17'	'0.14'	'0.13'	'0.57'	'0.00'	'00:00:30'	'90.47'	'0.01'	'0.02'	'45.50'
4:typing text	'-7.95'	'8.18'	'7.45'	'10.89'	'0.08'	'0.34'	'0.50'	'0.00'	'00:00:32'	'63.14'	'0.01'	'0.04'	'15.50'
5:sitting still 30s	'-5.23'	'5.79'	'5.62'	'7.68'	'0.06'	'0.44'	'0.81'	'0.00'	'00:00:30'	'92.72'	'0.01'	'0.00'	'12.12'
6:preparing to game	'-2.15'	'2.15'	'0.69'	'2.25'	'0.03'	'1.00'	'0.98'	'0.00'	'00:00:04'	'81.19'	'0.00'	'0.04'	'18.41'
7:playing game	'1.26'	'3.21'	'3.80'	'4.00'	'0.04'	'0.60'	'0.38'	'0.00'	'00:01:02'	'75.81'	'0.01'	'0.04'	'32.20'
8:sitting still 60s	'-0.08'	'3.07'	'4.47'	'4.47'	'0.04'	'0.70'	'0.85'	'0.00'	'00:01:04'	'95.63'	'0.01'	'0.02'	'52.16'

7.4. Experiment results (plots)



Rozdział 8. video 2, ExG, TIME_ROI1

8.1. Experiment details

Experiment name : video 2, ExG, TIME_ROI1

Date : 26-Nov-2018 13:44:37

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-exg-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

8.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video 2_ExG_TIME_ROI1_(7)	'-4.43'	'6.41'	'9.98'	'10.91'	'0.06'	'0.53'	'0.57'	'0.00'	'00:05:05'	'86.44'	'0.12'	'0.03'	'41.14'

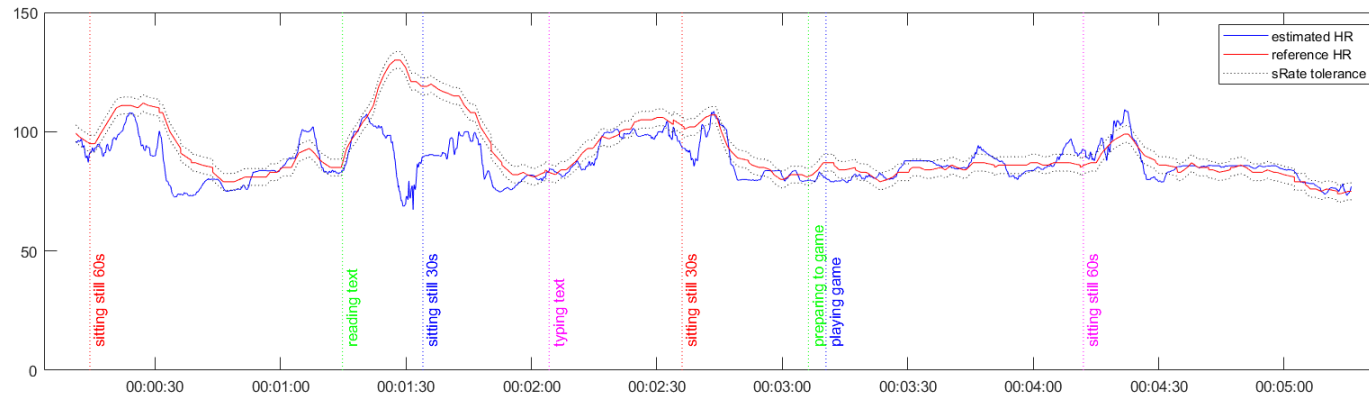
8.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 8. video 2, ExG, TIME_ROI1

1:sitting still 60s	'-5.85'	'7.67'	'8.33'	'10.18'	'0.08'	'0.39'	'0.68'	'0.00'	'00:01:00'	'93.01'	'0.01'	'0.01'	'14.24'
2:reading text	'-23.31'	'23.71'	'20.71'	'31.18'	'0.19'	'0.27'	'-0.43'	'0.00'	'00:00:19'	'91.20'	'0.01'	'0.00'	'14.12'
3:sitting still 30s	'-12.85'	'12.90'	'9.63'	'16.06'	'0.12'	'0.23'	'0.82'	'0.00'	'00:00:30'	'90.47'	'0.01'	'0.02'	'45.50'
4:typing text	'-3.22'	'3.94'	'3.39'	'4.68'	'0.04'	'0.54'	'0.90'	'0.00'	'00:00:32'	'63.14'	'0.01'	'0.04'	'15.50'
5:sitting still 30s	'-3.56'	'4.72'	'5.00'	'6.14'	'0.05'	'0.51'	'0.85'	'0.00'	'00:00:30'	'92.72'	'0.01'	'0.00'	'12.12'
6:preparing to game	'-3.45'	'3.45'	'1.47'	'3.75'	'0.04'	'0.62'	'0.69'	'0.00'	'00:00:04'	'81.19'	'0.00'	'0.04'	'18.41'
7:playing game	'0.39'	'3.03'	'3.71'	'3.73'	'0.04'	'0.63'	'0.48'	'0.00'	'00:01:02'	'75.81'	'0.01'	'0.04'	'32.20'
8:sitting still 60s	'0.82'	'2.59'	'3.39'	'3.49'	'0.03'	'0.78'	'0.89'	'0.00'	'00:01:04'	'95.63'	'0.01'	'0.02'	'52.16'

8.4. Experiment results (plots)



Rozdział 9. video 2, ICA, TIME_ROI1

9.1. Experiment details

Experiment name : video 2, ICA, TIME_ROI1

Date : 26-Nov-2018 13:44:37

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-ica-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

9.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video 2__ICA__TIME_ROI1__(8)	'-8.47'	'9.13'	'8.76'	'12.19'	'0.10'	'0.30'	'0.69'	'0.00'	'00:05:05'	'86.44'	'0.12'	'0.03'	'41.14'

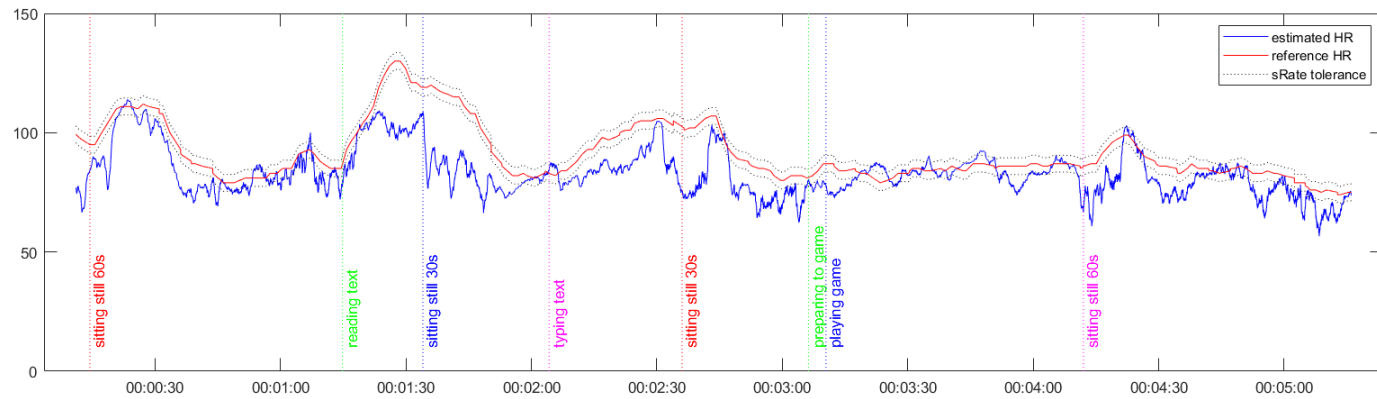
9.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 9. video 2, ICA, TIME_ROI1

1:sitting still 60s	'-5.99'	'6.54'	'5.60'	'8.20'	'0.07'	'0.33'	'0.88'	'0.00'	'00:01:00'	'93.01'	'0.01'	'0.01'	'14.24'
2:reading text	'-14.58'	'14.60'	'9.77'	'17.55'	'0.12'	'0.14'	'0.64'	'0.00'	'00:00:19'	'91.20'	'0.01'	'0.00'	'14.12'
3:sitting still 30s	'-17.64'	'17.67'	'12.50'	'21.62'	'0.16'	'0.20'	'0.58'	'0.00'	'00:00:30'	'90.47'	'0.01'	'0.02'	'45.50'
4:typing text	'-10.67'	'11.14'	'6.44'	'12.46'	'0.11'	'0.09'	'0.62'	'0.00'	'00:00:32'	'63.14'	'0.01'	'0.04'	'15.50'
5:sitting still 30s	'-13.35'	'13.43'	'8.08'	'15.61'	'0.15'	'0.08'	'0.65'	'0.00'	'00:00:30'	'92.72'	'0.01'	'0.00'	'12.12'
6:preparing to game	'-6.07'	'6.07'	'2.05'	'6.41'	'0.07'	'0.13'	'0.27'	'0.00'	'00:00:04'	'81.19'	'0.00'	'0.04'	'18.41'
7:playing game	'-1.87'	'3.90'	'4.81'	'5.16'	'0.05'	'0.57'	'0.06'	'0.00'	'00:01:02'	'75.81'	'0.01'	'0.04'	'32.20'
8:sitting still 60s	'-7.07'	'7.44'	'5.89'	'9.20'	'0.09'	'0.33'	'0.72'	'0.00'	'00:01:04'	'95.63'	'0.01'	'0.02'	'52.16'

9.4. Experiment results (plots)



Rozdział 10. video 3, G, TIME_ROI1

10.1. Experiment details

Experiment name : video 3, G, TIME_ROI1

Date : 21-Nov-2018 10:21:43

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-g-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

10.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_3_G_TIME_ROI1_(9)	'7.70'	'13.97'	'19.20'	'20.69'	'0.19'	'0.28'	'-0.28'	'0.00'	'00:05:42'	'40.03'	'0.11'	'0.08'	'26.33'

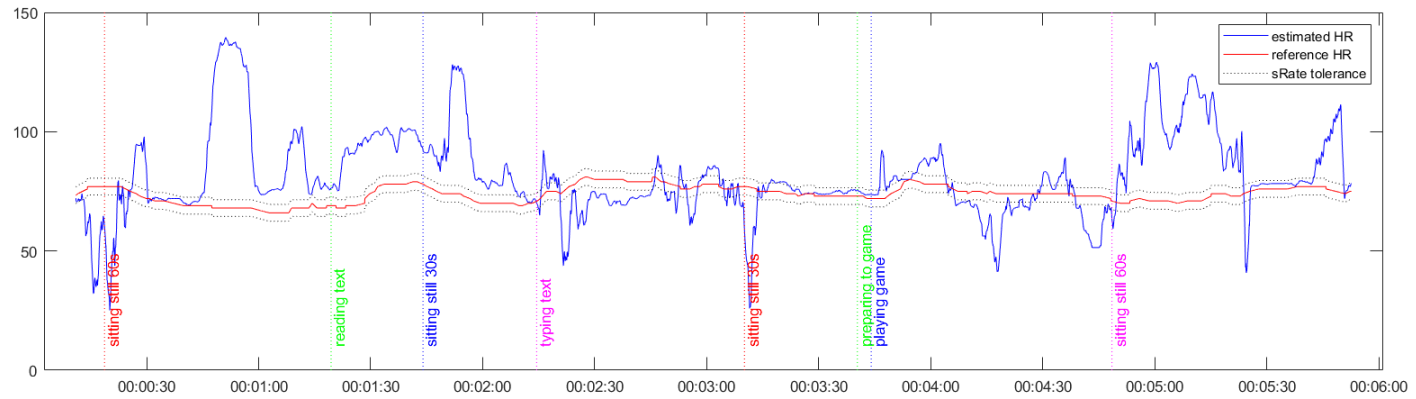
10.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 10. video 3, G, TIME_ROI1

1:sitting still 60s	'16.26'	'20.49'	'25.54'	'30.27'	'0.30'	'0.27'	'-0.43'	'0.00'	'00:01:01'	'43.93'	'0.01'	'0.02'	'4.99'
2:reading text	'20.43'	'20.43'	'4.89'	'21.01'	'0.28'	'0.00'	'0.73'	'0.00'	'00:00:25'	'43.03'	'0.01'	'0.03'	'57.00'
3:sitting still 30s	'16.65'	'16.65'	'15.36'	'22.65'	'0.23'	'0.10'	'0.60'	'0.00'	'00:00:30'	'42.96'	'0.01'	'0.03'	'39.08'
4:typing text	'-4.47'	'7.50'	'8.19'	'9.33'	'0.10'	'0.22'	'-0.01'	'0.54'	'00:00:56'	'38.72'	'0.01'	'0.11'	'35.48'
5:sitting still 30s	'-1.71'	'4.98'	'10.66'	'10.79'	'0.07'	'0.72'	'-0.63'	'0.00'	'00:00:30'	'40.19'	'0.01'	'0.02'	'6.17'
6:preparing to game	'1.57'	'1.57'	'0.41'	'1.62'	'0.02'	'1.00'	'0.78'	'0.00'	'00:00:04'	'40.43'	'0.01'	'0.01'	'5.69'
7:playing game	'-2.17'	'7.85'	'9.98'	'10.22'	'0.11'	'0.27'	'0.51'	'0.00'	'00:01:04'	'34.93'	'0.01'	'0.07'	'28.12'
8:sitting still 60s	'18.88'	'20.25'	'18.56'	'26.47'	'0.28'	'0.30'	'-0.53'	'0.00'	'00:01:04'	'39.53'	'0.01'	'0.04'	'59.60'

10.4. Experiment results (plots)



Rozdział 11. video 3, GRD, TIME_ROI1

11.1. Experiment details

Experiment name : video 3, GRD, TIME_ROI1

Date : 21-Nov-2018 10:21:43

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-gr-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

11.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_3_GRD_TIME_ROI1_(10)	'5.98'	'13.65'	'17.38'	'18.38'	'0.19'	'0.25'	'-0.17'	'0.00'	'00:05:42'	'40.03'	'0.11'	'0.08'	'26.33'

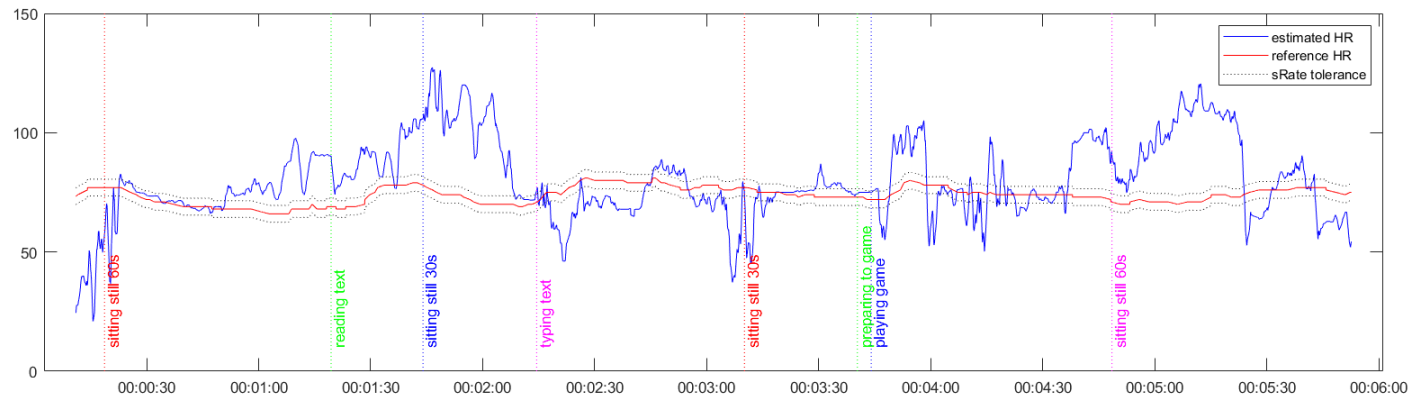
11.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 11. video 3, GRD, TIME_ROI1

1:sitting still 60s	'5.95'	'8.38'	'10.39'	'11.97'	'0.12'	'0.44'	'-0.35'	'0.00'	'00:01:01'	'43.93'	'0.01'	'0.02'	'4.99'
2:reading text	'15.23'	'15.29'	'7.24'	'16.87'	'0.21'	'0.05'	'0.60'	'0.00'	'00:00:25'	'43.03'	'0.01'	'0.03'	'57.00'
3:sitting still 30s	'27.35'	'27.35'	'15.39'	'31.38'	'0.38'	'0.13'	'0.65'	'0.00'	'00:00:30'	'42.96'	'0.01'	'0.03'	'39.08'
4:typing text	'-7.47'	'9.69'	'9.64'	'12.19'	'0.13'	'0.15'	'0.30'	'0.00'	'00:00:56'	'38.72'	'0.01'	'0.11'	'35.48'
5:sitting still 30s	'-0.44'	'4.99'	'8.16'	'8.17'	'0.07'	'0.56'	'-0.79'	'0.00'	'00:00:30'	'40.19'	'0.01'	'0.02'	'6.17'
6:preparing to game	'2.41'	'2.41'	'0.54'	'2.47'	'0.03'	'1.00'	'-0.38'	'0.00'	'00:00:04'	'40.43'	'0.01'	'0.01'	'5.69'
7:playing game	'5.09'	'11.07'	'13.44'	'14.37'	'0.15'	'0.32'	'0.11'	'0.00'	'00:01:04'	'34.93'	'0.01'	'0.07'	'28.12'
8:sitting still 60s	'13.07'	'19.65'	'19.66'	'23.60'	'0.27'	'0.07'	'-0.59'	'0.00'	'00:01:04'	'39.53'	'0.01'	'0.04'	'59.60'

11.4. Experiment results (plots)



Rozdział 12. video 3, ExG, TIME_ROI1

12.1. Experiment details

Experiment name : video 3, ExG, TIME_ROI1

Date : 21-Nov-2018 10:21:43

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-exg-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

12.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_3_ExG_TIME_ROI1_(11)	'6.11'	'12.01'	'16.60'	'17.69'	'0.16'	'0.36'	'-0.04'	'0.00'	'00:05:42'	'40.03'	'0.11'	'0.08'	'26.33'

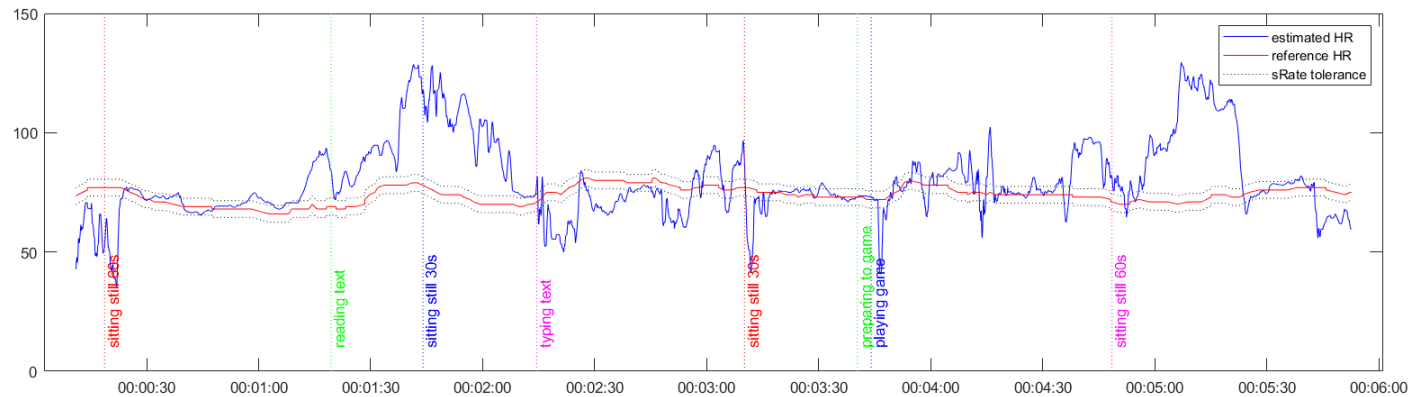
12.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 12. video 3, ExG, TIME_ROI1

1:sitting still 60s	'1.75'	'6.26'	'10.36'	'10.51'	'0.09'	'0.60'	'-0.35'	'0.00'	'00:01:01'	'43.93'	'0.01'	'0.02'	'4.99'
2:reading text	'20.84'	'20.84'	'13.18'	'24.65'	'0.27'	'0.01'	'0.79'	'0.00'	'00:00:25'	'43.03'	'0.01'	'0.03'	'57.00'
3:sitting still 30s	'25.63'	'25.63'	'14.09'	'29.24'	'0.35'	'0.10'	'0.77'	'0.00'	'00:00:30'	'42.96'	'0.01'	'0.03'	'39.08'
4:typing text	'-5.68'	'9.84'	'9.95'	'11.45'	'0.13'	'0.18'	'0.26'	'0.00'	'00:00:56'	'38.72'	'0.01'	'0.11'	'35.48'
5:sitting still 30s	'-1.69'	'3.73'	'7.32'	'7.51'	'0.05'	'0.77'	'-0.57'	'0.00'	'00:00:30'	'40.19'	'0.01'	'0.02'	'6.17'
6:preparing to game	'0.84'	'0.85'	'0.42'	'0.94'	'0.01'	'1.00'	'0.38'	'0.00'	'00:00:04'	'40.43'	'0.01'	'0.01'	'5.69'
7:playing game	'4.67'	'7.41'	'9.58'	'10.65'	'0.10'	'0.42'	'0.06'	'0.00'	'00:01:04'	'34.93'	'0.01'	'0.07'	'28.12'
8:sitting still 60s	'13.73'	'18.09'	'20.97'	'25.06'	'0.25'	'0.30'	'-0.52'	'0.00'	'00:01:04'	'39.53'	'0.01'	'0.04'	'59.60'

12.4. Experiment results (plots)



Rozdział 13. video 3, ICA, TIME_ROI1

13.1. Experiment details

Experiment name : video 3, ICA, TIME_ROI1

Date : 21-Nov-2018 10:21:43

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-ica-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

13.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_3_ICA_TIME_ROI1_(12)	'3.55'	'5.01'	'5.22'	'6.32'	'0.07'	'0.43'	'0.20'	'0.00'	'00:05:42'	'40.03'	'0.11'	'0.08'	'26.33'

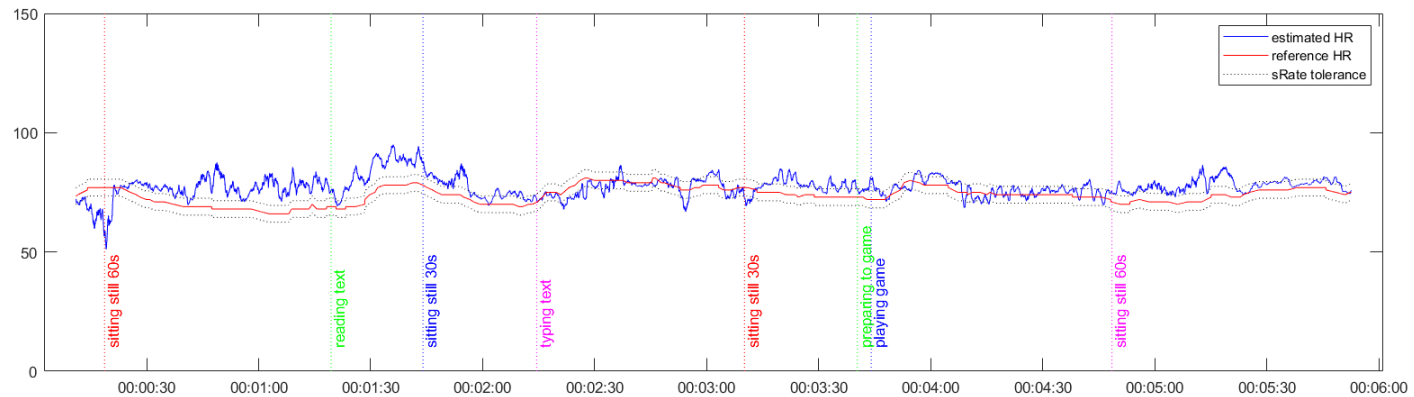
13.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 13. video 3, ICA, TIME_ROI1

1:sitting still 60s	'7.07'	'8.37'	'6.27'	'9.45'	'0.12'	'0.11'	'-0.35'	'0.00'	'00:01:01'	'43.93'	'0.01'	'0.02'	'4.99'
2:reading text	'9.92'	'9.92'	'3.55'	'10.54'	'0.13'	'0.07'	'0.87'	'0.00'	'00:00:25'	'43.03'	'0.01'	'0.03'	'57.00'
3:sitting still 30s	'4.61'	'4.61'	'2.54'	'5.26'	'0.06'	'0.40'	'0.87'	'0.00'	'00:00:30'	'42.96'	'0.01'	'0.03'	'39.08'
4:typing text	'-0.87'	'2.52'	'3.14'	'3.26'	'0.03'	'0.71'	'0.53'	'0.00'	'00:00:56'	'38.72'	'0.01'	'0.11'	'35.48'
5:sitting still 30s	'3.86'	'4.71'	'3.45'	'5.18'	'0.06'	'0.30'	'-0.29'	'0.00'	'00:00:30'	'40.19'	'0.01'	'0.02'	'6.17'
6:preparing to game	'3.86'	'3.86'	'1.97'	'4.33'	'0.05'	'0.50'	'-0.64'	'0.00'	'00:00:04'	'40.43'	'0.01'	'0.01'	'5.69'
7:playing game	'1.40'	'2.53'	'2.65'	'3.00'	'0.03'	'0.74'	'0.58'	'0.00'	'00:01:04'	'34.93'	'0.01'	'0.07'	'28.12'
8:sitting still 60s	'4.55'	'4.56'	'2.91'	'5.40'	'0.06'	'0.42'	'0.34'	'0.00'	'00:01:04'	'39.53'	'0.01'	'0.04'	'59.60'

13.4. Experiment results (plots)



Rozdział 14. video 4, G, TIME_ROI1

14.1. Experiment details

Experiment name : video 4, G, TIME_ROI1

Date : 22-Nov-2018 12:48:09

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-g-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

14.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_4_G_TIME_ROI1_(13)	'6.61'	'9.69'	'12.60'	'14.22'	'0.14'	'0.35'	'-0.14'	'0.00'	'00:05:31'	'54.17'	'0.11'	'0.03'	'103.15'

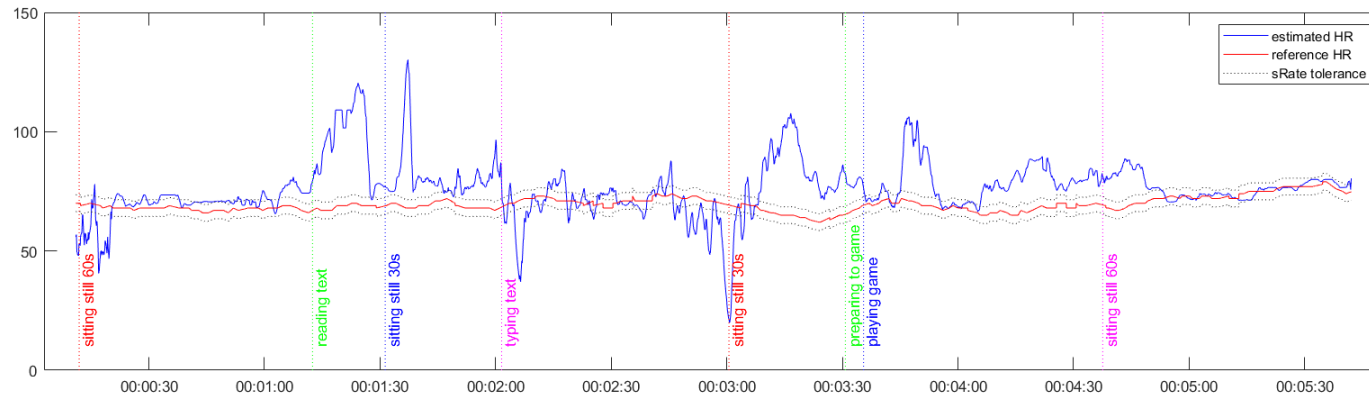
14.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 14. video 4, G, TIME_ROI1

1:sitting still 60s	'1.79'	'5.43'	'6.88'	'7.11'	'0.08'	'0.38'	'-0.35'	'0.00'	'00:01:01'	'60.28'	'0.01'	'0.01'	'2.47'
2:reading text	'27.76'	'27.76'	'14.38'	'31.27'	'0.40'	'0.03'	'0.44'	'0.00'	'00:00:19'	'59.33'	'0.01'	'0.02'	'29.64'
3:sitting still 30s	'12.87'	'12.87'	'11.46'	'17.23'	'0.19'	'0.06'	'-0.35'	'0.00'	'00:00:30'	'58.29'	'0.01'	'0.01'	'28.63'
4:typing text	'-3.05'	'6.73'	'9.74'	'10.20'	'0.09'	'0.41'	'0.14'	'0.00'	'00:00:59'	'57.58'	'0.01'	'0.09'	'265.67'
5:sitting still 30s	'14.42'	'18.95'	'17.08'	'22.35'	'0.29'	'0.10'	'-0.47'	'0.00'	'00:00:30'	'54.36'	'0.01'	'0.01'	'3.08'
6:preparing to game	'11.40'	'11.40'	'1.63'	'11.51'	'0.17'	'0.00'	'0.32'	'0.00'	'00:00:05'	'52.82'	'0.01'	'0.01'	'4.17'
7:playing game	'10.66'	'10.73'	'8.41'	'13.58'	'0.16'	'0.25'	'0.26'	'0.00'	'00:01:02'	'45.84'	'0.01'	'0.05'	'18.45'
8:sitting still 60s	'3.27'	'4.03'	'5.82'	'6.68'	'0.06'	'0.74'	'-0.27'	'0.00'	'00:01:05'	'49.79'	'0.01'	'0.02'	'10.57'

14.4. Experiment results (plots)



Rozdział 15. video 4, GRD, TIME_ROI1

15.1. Experiment details

Experiment name : video 4, GRD, TIME_ROI1

Date : 22-Nov-2018 12:48:09

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-gr-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

15.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_4_GRD_TIME_ROI1_(14)	'8.47'	'8.89'	'10.03'	'13.12'	'0.13'	'0.43'	'0.14'	'0.00'	'00:05:31'	'54.17'	'0.11'	'0.03'	'103.15'

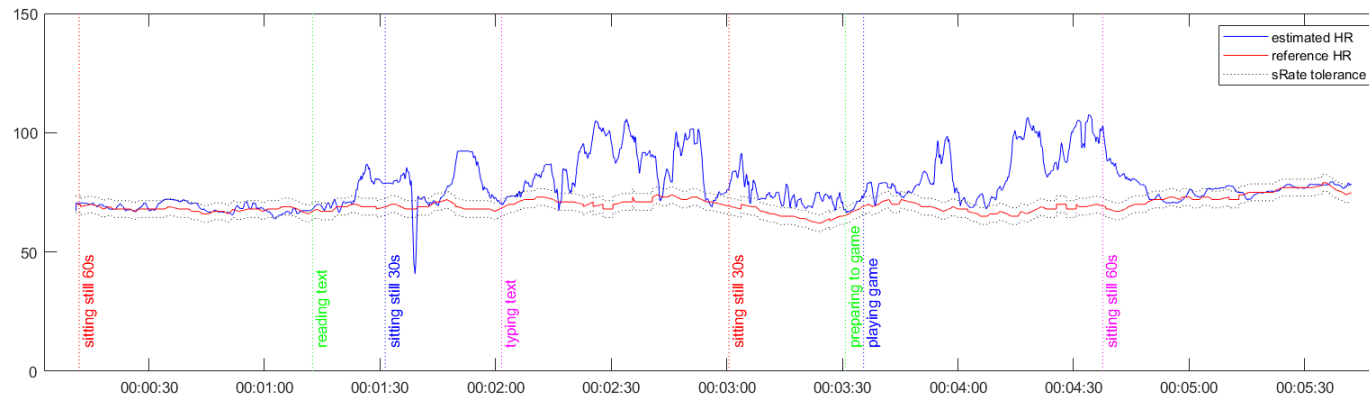
15.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 15. video 4, GRD, TIME_ROI1

1:sitting still 60s	'0.66'	'1.46'	'1.76'	'1.88'	'0.02'	'0.95'	'0.35'	'0.00'	'00:01:01'	'60.28'	'0.01'	'0.01'	'2.47'
2:reading text	'5.72'	'5.90'	'5.51'	'7.94'	'0.09'	'0.57'	'0.39'	'0.00'	'00:00:19'	'59.33'	'0.01'	'0.02'	'29.64'
3:sitting still 30s	'8.89'	'10.40'	'9.51'	'13.02'	'0.15'	'0.24'	'-0.15'	'0.00'	'00:00:30'	'58.29'	'0.01'	'0.01'	'28.63'
4:typing text	'14.79'	'14.89'	'10.51'	'18.14'	'0.21'	'0.17'	'-0.05'	'0.00'	'00:00:59'	'57.58'	'0.01'	'0.09'	'265.67'
5:sitting still 30s	'8.50'	'8.50'	'3.67'	'9.26'	'0.13'	'0.04'	'0.67'	'0.00'	'00:00:30'	'54.36'	'0.01'	'0.01'	'3.08'
6:preparing to game	'2.16'	'2.16'	'1.25'	'2.49'	'0.03'	'0.83'	'0.95'	'0.00'	'00:00:05'	'52.82'	'0.01'	'0.01'	'4.17'
7:playing game	'16.47'	'16.47'	'11.66'	'20.18'	'0.24'	'0.10'	'-0.05'	'0.00'	'00:01:02'	'45.84'	'0.01'	'0.05'	'18.45'
8:sitting still 60s	'3.47'	'4.03'	'6.08'	'6.99'	'0.06'	'0.68'	'-0.34'	'0.00'	'00:01:05'	'49.79'	'0.01'	'0.02'	'10.57'

15.4. Experiment results (plots)



Rozdział 16. video 4, ExG, TIME_ROI1

16.1. Experiment details

Experiment name : video 4, ExG, TIME_ROI1

Date : 22-Nov-2018 12:48:09

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-exg-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

16.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_4_ExG_TIME_ROI1_(15)	'6.66'	'6.94'	'7.98'	'10.39'	'0.10'	'0.45'	'0.21'	'0.00'	'00:05:31'	'54.17'	'0.11'	'0.03'	'103.15'

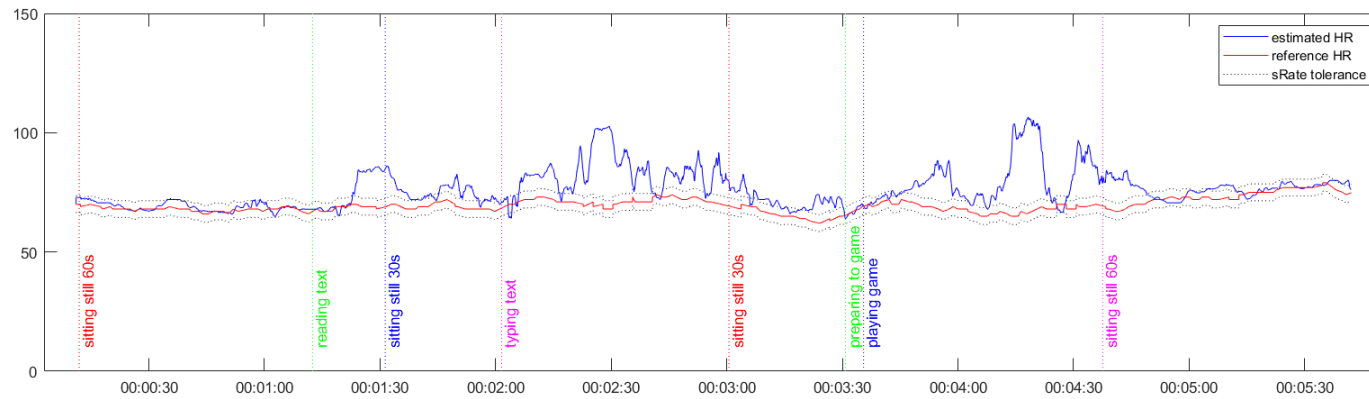
16.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 16. video 4, ExG, TIME_ROI1

1:sitting still 60s	'1.14'	'1.46'	'1.44'	'1.84'	'0.02'	'0.95'	'0.64'	'0.00'	'00:01:01'	'60.28'	'0.01'	'0.01'	'2.47'
2:reading text	'6.46'	'6.87'	'7.36'	'9.79'	'0.10'	'0.52'	'0.44'	'0.00'	'00:00:19'	'59.33'	'0.01'	'0.02'	'29.64'
3:sitting still 30s	'6.02'	'6.02'	'3.37'	'6.90'	'0.09'	'0.21'	'0.43'	'0.00'	'00:00:30'	'58.29'	'0.01'	'0.01'	'28.63'
4:typing text	'11.86'	'12.09'	'8.64'	'14.67'	'0.17'	'0.14'	'-0.32'	'0.00'	'00:00:59'	'57.58'	'0.01'	'0.09'	'265.67'
5:sitting still 30s	'5.72'	'5.74'	'2.74'	'6.35'	'0.09'	'0.21'	'0.62'	'0.00'	'00:00:30'	'54.36'	'0.01'	'0.01'	'3.08'
6:preparing to game	'0.11'	'0.80'	'0.94'	'0.94'	'0.01'	'1.00'	'0.92'	'0.00'	'00:00:05'	'52.82'	'0.01'	'0.01'	'4.17'
7:playing game	'12.03'	'12.23'	'10.95'	'16.27'	'0.18'	'0.22'	'-0.27'	'0.00'	'00:01:02'	'45.84'	'0.01'	'0.05'	'18.45'
8:sitting still 60s	'3.24'	'3.77'	'4.46'	'5.52'	'0.05'	'0.64'	'-0.10'	'0.00'	'00:01:05'	'49.79'	'0.01'	'0.02'	'10.57'

16.4. Experiment results (plots)



Rozdział 17. video 4, ICA, TIME_ROI1

17.1. Experiment details

Experiment name : video 4, ICA, TIME_ROI1

Date : 22-Nov-2018 12:48:09

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-ica-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

17.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_4_ICA_TIME_ROI1_(16)	'6.98'	'7.33'	'5.04'	'8.61'	'0.11'	'0.21'	'0.16'	'0.00'	'00:05:31'	'54.17'	'0.11'	'0.03'	'103.15'

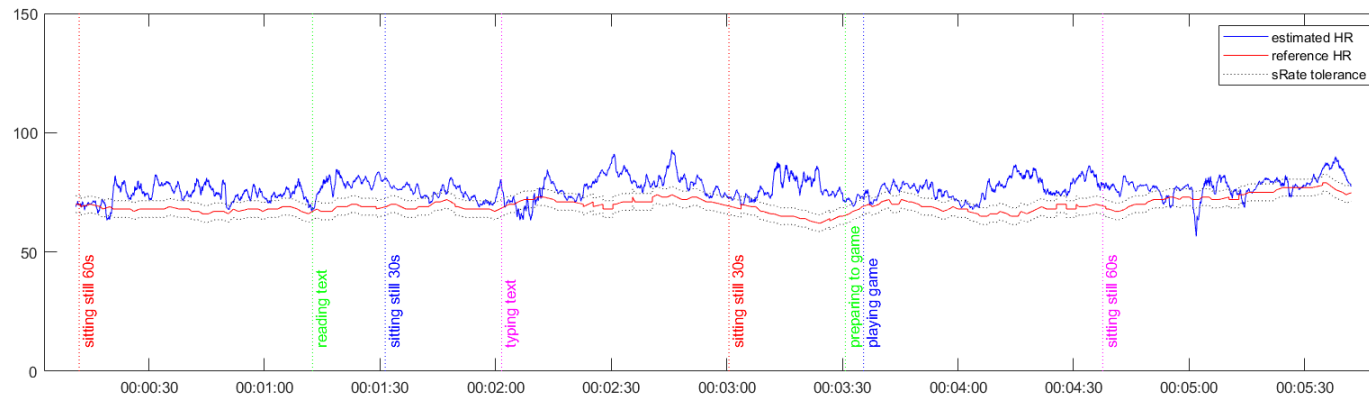
17.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 17. video 4, ICA, TIME_ROI1

1:sitting still 60s	'6.45'	'6.72'	'3.92'	'7.55'	'0.10'	'0.19'	'-0.26'	'0.00'	'00:01:01'	'60.28'	'0.01'	'0.01'	'2.47'
2:reading text	'10.35'	'10.35'	'3.05'	'10.79'	'0.15'	'0.04'	'0.33'	'0.00'	'00:00:19'	'59.33'	'0.01'	'0.02'	'29.64'
3:sitting still 30s	'5.88'	'5.88'	'2.81'	'6.51'	'0.09'	'0.24'	'0.38'	'0.00'	'00:00:30'	'58.29'	'0.01'	'0.01'	'28.63'
4:typing text	'6.28'	'7.05'	'5.67'	'8.46'	'0.10'	'0.25'	'0.10'	'0.00'	'00:00:59'	'57.58'	'0.01'	'0.09'	'265.67'
5:sitting still 30s	'11.30'	'11.31'	'6.04'	'12.81'	'0.17'	'0.12'	'-0.55'	'0.00'	'00:00:30'	'54.36'	'0.01'	'0.01'	'3.08'
6:preparing to game	'4.78'	'4.78'	'1.39'	'4.98'	'0.07'	'0.21'	'0.42'	'0.00'	'00:00:05'	'52.82'	'0.01'	'0.01'	'4.17'
7:playing game	'8.55'	'8.55'	'4.61'	'9.71'	'0.13'	'0.14'	'-0.02'	'0.15'	'00:01:02'	'45.84'	'0.01'	'0.05'	'18.45'
8:sitting still 60s	'4.35'	'5.20'	'4.37'	'6.16'	'0.07'	'0.33'	'0.35'	'0.00'	'00:01:05'	'49.79'	'0.01'	'0.02'	'10.57'

17.4. Experiment results (plots)



Rozdział 18. video 5, G, TIME_ROI1

18.1. Experiment details

Experiment name : video 5, G, TIME_ROI1

Date : 30-Jan-2019 13:33:36

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4B

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-g-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

18.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_5_G_TIME_ROI1_(17)	'-8.75'	'9.84'	'14.23'	'16.70'	'0.13'	'0.51'	'0.23'	'0.00'	'00:06:00'	'964.84'	'0.12'	'0.02'	'160.19'

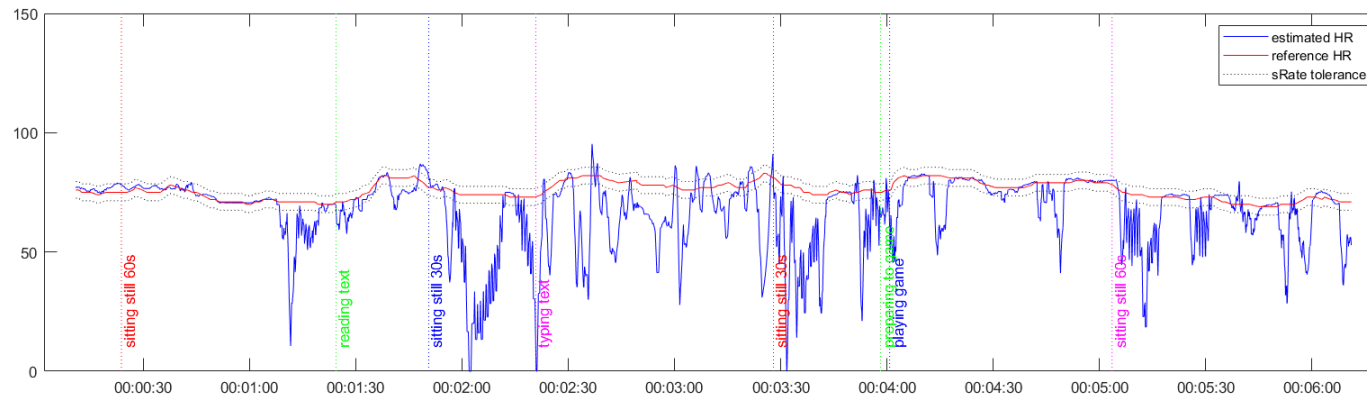
18.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 18. video 5, G, TIME_ROI1

1:sitting still 60s	'-2.71'	'3.81'	'8.47'	'8.89'	'0.05'	'0.82'	'0.54'	'0.00'	'00:01:01'	'1260.31'	'0.01'	'0.03'	'16.59'
2:reading text	'-3.14'	'4.64'	'4.76'	'5.70'	'0.06'	'0.41'	'0.71'	'0.00'	'00:00:26'	'1045.43'	'0.01'	'0.03'	'7.91'
3:sitting still 30s	'-22.50'	'23.12'	'21.88'	'31.39'	'0.31'	'0.28'	'0.30'	'0.00'	'00:00:30'	'855.05'	'0.01'	'0.02'	'5.27'
4:typing text	'-13.27'	'14.63'	'14.72'	'19.82'	'0.19'	'0.18'	'0.07'	'0.00'	'00:01:07'	'806.77'	'0.01'	'0.14'	'378.34'
5:sitting still 30s	'-17.60'	'18.01'	'18.05'	'25.20'	'0.24'	'0.32'	'-0.12'	'0.00'	'00:00:30'	'938.04'	'0.01'	'0.03'	'6.99'
6:preparing to game	'-6.91'	'7.55'	'4.67'	'8.33'	'0.10'	'0.18'	'0.56'	'0.00'	'00:00:03'	'818.40'	'0.01'	'0.02'	'6.40'
7:playing game	'-4.13'	'4.72'	'8.08'	'9.07'	'0.06'	'0.73'	'0.05'	'0.00'	'00:01:03'	'814.48'	'0.01'	'0.12'	'40.26'
8:sitting still 60s	'-8.05'	'9.29'	'11.97'	'14.43'	'0.13'	'0.52'	'-0.02'	'0.21'	'00:01:08'	'944.97'	'0.01'	'0.04'	'4.77'

18.4. Experiment results (plots)



Rozdział 19. video 5, GRD, TIME_ROI1

19.1. Experiment details

Experiment name : video 5, GRD, TIME_ROI1

Date : 30-Jan-2019 13:33:36

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4B

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-gr-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

19.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_5_GRD_TIME_ROI1_(18)	'1.05'	'1.70'	'2.23'	'2.47'	'0.02'	'0.88'	'0.88'	'0.00'	'00:06:00'	'964.84'	'0.12'	'0.02'	'160.19'

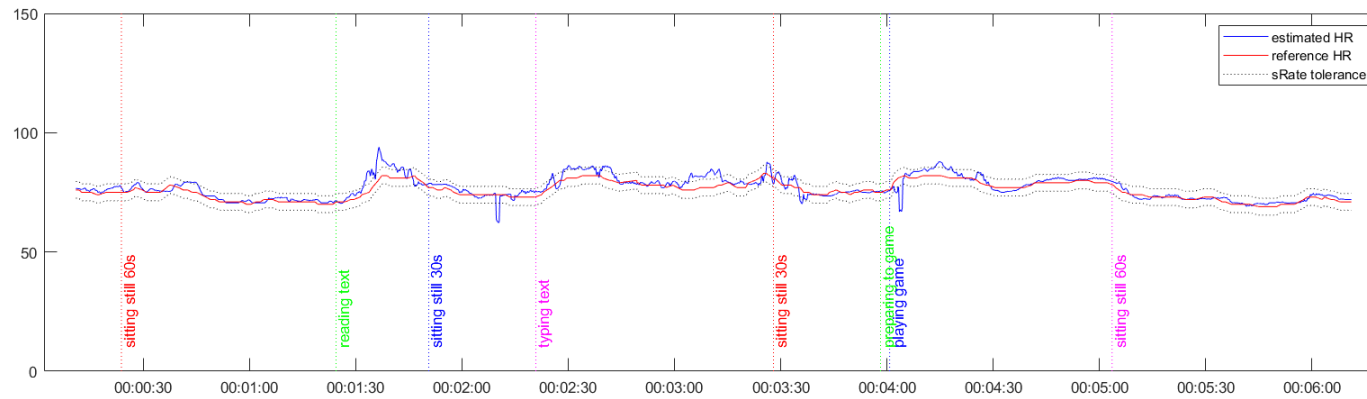
19.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 19. video 5, GRD, TIME_ROI1

1:sitting still 60s	'0.81'	'1.11'	'1.20'	'1.44'	'0.02'	'0.96'	'0.91'	'0.00'	'00:01:01'	'1260.31'	'0.01'	'0.03'	'16.59'
2:reading text	'2.95'	'3.50'	'3.47'	'4.56'	'0.04'	'0.60'	'0.82'	'0.00'	'00:00:26'	'1045.43'	'0.01'	'0.03'	'7.91'
3:sitting still 30s	'0.55'	'1.65'	'2.43'	'2.49'	'0.02'	'0.96'	'0.57'	'0.00'	'00:00:30'	'855.05'	'0.01'	'0.02'	'5.27'
4:typing text	'2.00'	'2.49'	'2.40'	'3.12'	'0.03'	'0.70'	'0.61'	'0.00'	'00:01:07'	'806.77'	'0.01'	'0.14'	'378.34'
5:sitting still 30s	'-0.08'	'1.28'	'1.81'	'1.81'	'0.02'	'0.92'	'0.78'	'0.00'	'00:00:30'	'938.04'	'0.01'	'0.03'	'6.99'
6:preparing to game	'-0.25'	'0.54'	'0.54'	'0.60'	'0.01'	'1.00'	'-0.09'	'0.25'	'00:00:03'	'818.40'	'0.01'	'0.02'	'6.40'
7:playing game	'0.79'	'1.89'	'2.62'	'2.74'	'0.02'	'0.86'	'0.67'	'0.00'	'00:01:03'	'814.48'	'0.01'	'0.12'	'40.26'
8:sitting still 60s	'0.52'	'0.90'	'0.95'	'1.08'	'0.01'	'1.00'	'0.88'	'0.00'	'00:01:08'	'944.97'	'0.01'	'0.04'	'4.77'

19.4. Experiment results (plots)



Rozdział 20. video 5, ExG, TIME_ROI1

20.1. Experiment details

Experiment name : video 5, ExG, TIME_ROI1

Date : 30-Jan-2019 13:33:36

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4B

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-exg-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

20.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_5_ExG_TIME_ROI1_(19)	'1.34'	'1.66'	'2.18'	'2.56'	'0.02'	'0.89'	'0.90'	'0.00'	'00:06:00'	'964.84'	'0.12'	'0.02'	'160.19'

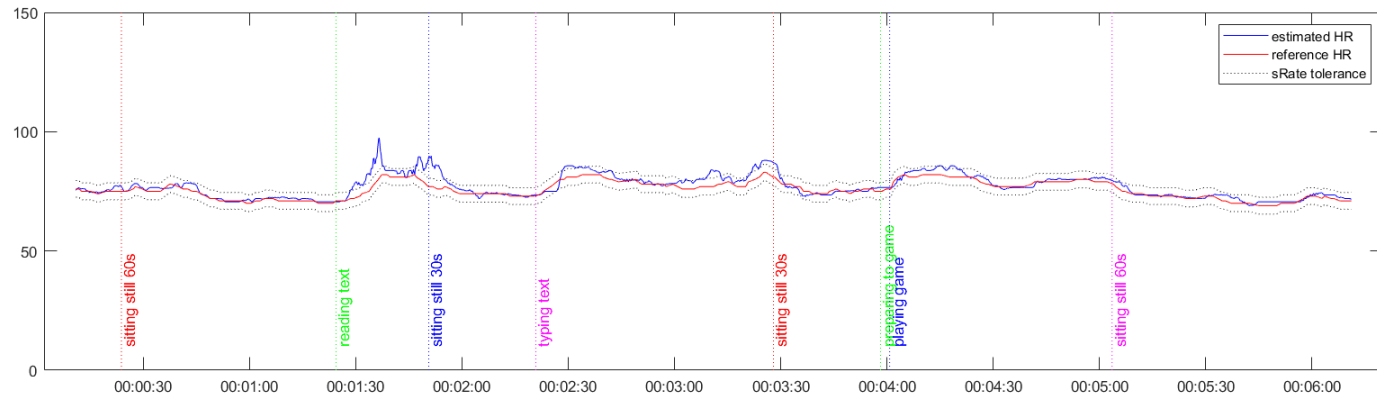
20.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 20. video 5, ExG, TIME_ROI1

1:sitting still 60s	'0.70'	'0.86'	'0.86'	'1.11'	'0.01'	'1.00'	'0.95'	'0.00'	'00:01:01'	'1260.31'	'0.01'	'0.03'	'16.59'
2:reading text	'4.32'	'4.37'	'3.64'	'5.65'	'0.06'	'0.50'	'0.79'	'0.00'	'00:00:26'	'1045.43'	'0.01'	'0.03'	'7.91'
3:sitting still 30s	'1.78'	'2.03'	'3.21'	'3.67'	'0.03'	'0.86'	'0.88'	'0.00'	'00:00:30'	'855.05'	'0.01'	'0.02'	'5.27'
4:typing text	'2.17'	'2.51'	'2.19'	'3.08'	'0.03'	'0.73'	'0.80'	'0.00'	'00:01:07'	'806.77'	'0.01'	'0.14'	'378.34'
5:sitting still 30s	'-0.01'	'1.15'	'1.65'	'1.65'	'0.01'	'0.95'	'0.85'	'0.00'	'00:00:30'	'938.04'	'0.01'	'0.03'	'6.99'
6:preparing to game	'0.99'	'0.99'	'0.40'	'1.06'	'0.01'	'1.00'	'NaN'	'NaN'	'00:00:03'	'818.40'	'0.01'	'0.02'	'6.40'
7:playing game	'1.00'	'1.41'	'1.49'	'1.79'	'0.02'	'0.94'	'0.89'	'0.00'	'00:01:03'	'814.48'	'0.01'	'0.12'	'40.26'
8:sitting still 60s	'0.79'	'0.98'	'0.96'	'1.24'	'0.01'	'1.00'	'0.88'	'0.00'	'00:01:08'	'944.97'	'0.01'	'0.04'	'4.77'

20.4. Experiment results (plots)



Rozdział 21. video 5, ICA, TIME_ROI1

21.1. Experiment details

Experiment name : video 5, ICA, TIME_ROI1

Date : 30-Jan-2019 13:33:36

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4B

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-ica-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

21.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_5_ICA_TIME_ROI1_(20)	'-2.79'	'4.17'	'4.72'	'5.48'	'0.06'	'0.52'	'0.64'	'0.00'	'00:06:00'	'964.84'	'0.12'	'0.02'	'160.19'

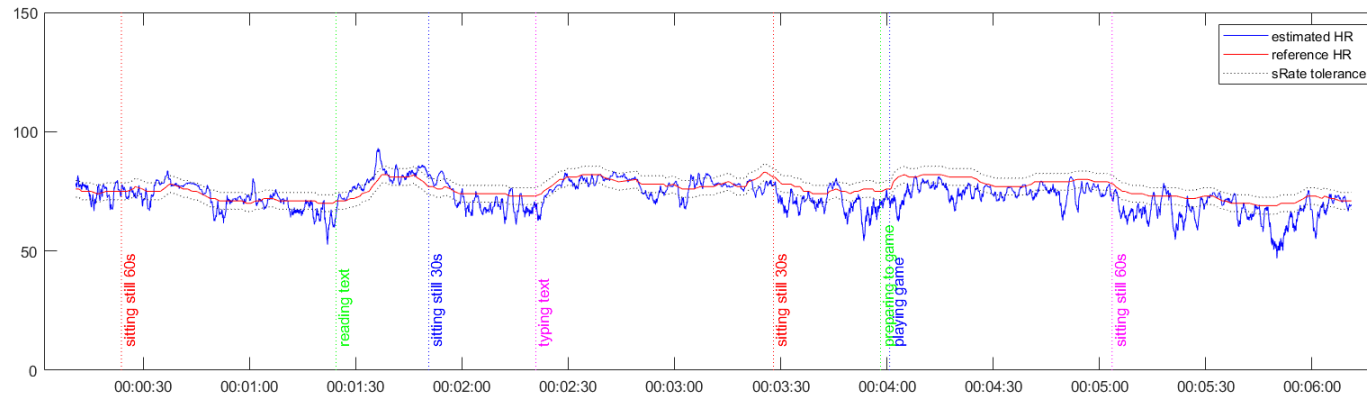
21.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 21. video 5, ICA, TIME_ROI1

1:sitting still 60s	'-1.00'	'3.00'	'3.86'	'3.98'	'0.04'	'0.67'	'0.71'	'0.00'	'00:01:01'	'1260.31'	'0.01'	'0.03'	'16.59'
2:reading text	'2.71'	'3.20'	'3.10'	'4.11'	'0.04'	'0.60'	'0.79'	'0.00'	'00:00:26'	'1045.43'	'0.01'	'0.03'	'7.91'
3:sitting still 30s	'-2.86'	'4.57'	'4.47'	'5.31'	'0.06'	'0.38'	'0.78'	'0.00'	'00:00:30'	'855.05'	'0.01'	'0.02'	'5.27'
4:typing text	'-1.46'	'2.64'	'3.13'	'3.45'	'0.03'	'0.69'	'0.52'	'0.00'	'00:01:07'	'806.77'	'0.01'	'0.14'	'378.34'
5:sitting still 30s	'-5.67'	'6.23'	'4.75'	'7.39'	'0.08'	'0.32'	'0.14'	'0.00'	'00:00:30'	'938.04'	'0.01'	'0.03'	'6.99'
6:preparing to game	'-4.10'	'4.10'	'1.45'	'4.35'	'0.05'	'0.21'	'0.72'	'0.00'	'00:00:03'	'818.40'	'0.01'	'0.02'	'6.40'
7:playing game	'-4.75'	'4.82'	'3.56'	'5.93'	'0.06'	'0.40'	'0.14'	'0.00'	'00:01:03'	'814.48'	'0.01'	'0.12'	'40.26'
8:sitting still 60s	'-5.14'	'5.71'	'5.35'	'7.42'	'0.08'	'0.42'	'0.34'	'0.00'	'00:01:08'	'944.97'	'0.01'	'0.04'	'4.77'

21.4. Experiment results (plots)



Rozdział 22. video 6, G, TIME_ROI1

22.1. Experiment details

Experiment name : video 6, G, TIME_ROI1

Date : 01-Feb-2019 17:48:26

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4B

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-g-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

22.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_6_G_TIME_ROI1_(21)	'6.19'	'14.37'	'19.07'	'20.05'	'0.18'	'0.22'	'-0.28'	'0.00'	'00:05:58'	'27.12'	'0.11'	'0.06'	'85.38'

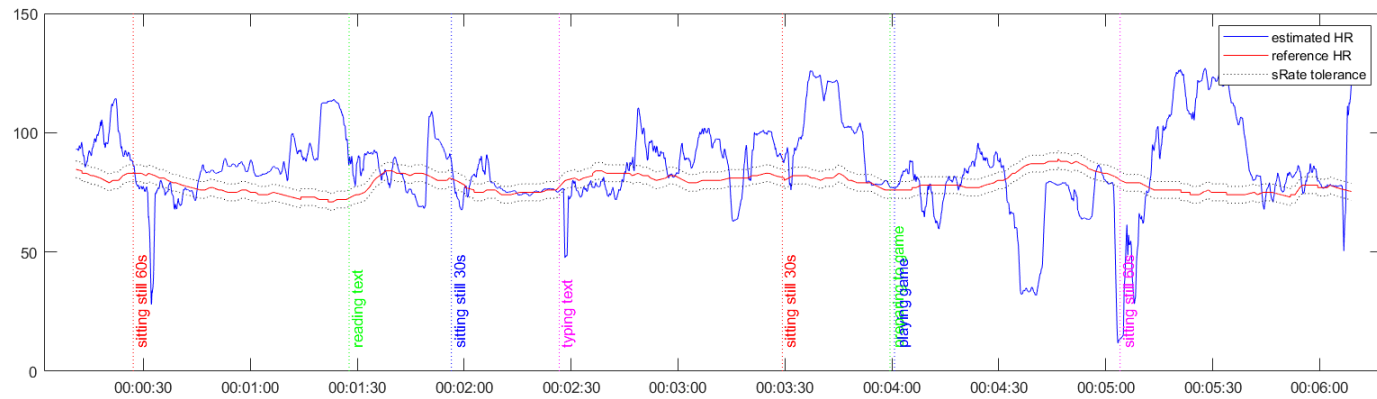
22.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 22. video 6, G, TIME_ROI1

1:sitting still 60s	'9.50'	'14.17'	'15.89'	'18.51'	'0.19'	'0.10'	'-0.77'	'0.00'	'00:01:01'	'27.30'	'0.01'	'0.02'	'32.72'
2:reading text	'5.25'	'10.16'	'10.74'	'11.95'	'0.13'	'0.18'	'-0.28'	'0.00'	'00:00:29'	'29.66'	'0.01'	'0.03'	'31.45'
3:sitting still 30s	'1.41'	'3.27'	'4.86'	'5.06'	'0.04'	'0.72'	'-0.08'	'0.00'	'00:00:30'	'29.82'	'0.01'	'0.01'	'12.76'
4:typing text	'4.66'	'10.37'	'11.42'	'12.33'	'0.13'	'0.17'	'-0.04'	'0.03'	'00:01:03'	'22.48'	'0.01'	'0.07'	'85.83'
5:sitting still 30s	'20.35'	'20.55'	'15.57'	'25.62'	'0.25'	'0.22'	'0.61'	'0.00'	'00:00:30'	'24.66'	'0.01'	'0.02'	'84.18'
6:preparing to game	'0.96'	'0.96'	'0.15'	'0.97'	'0.01'	'1.00'	'NaN'	'NaN'	'00:00:01'	'25.20'	'0.01'	'0.01'	'35.80'
7:playing game	'-9.74'	'14.97'	'19.48'	'21.78'	'0.18'	'0.20'	'-0.44'	'0.00'	'00:01:03'	'25.58'	'0.01'	'0.05'	'61.48'
8:sitting still 60s	'14.11'	'22.11'	'25.22'	'28.90'	'0.29'	'0.22'	'-0.61'	'0.00'	'00:01:05'	'32.00'	'0.01'	'0.04'	'85.39'

22.4. Experiment results (plots)



Rozdział 23. video 6, GRD, TIME_ROI1

23.1. Experiment details

Experiment name : video 6, GRD, TIME_ROI1

Date : 01-Feb-2019 17:48:26

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4B

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-gr-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

23.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_6_GRD_TIME_ROI1_(22)	'0.49'	'15.16'	'21.36'	'21.36'	'0.19'	'0.21'	'0.04'	'0.00'	'00:05:58'	'27.12'	'0.11'	'0.06'	'85.38'

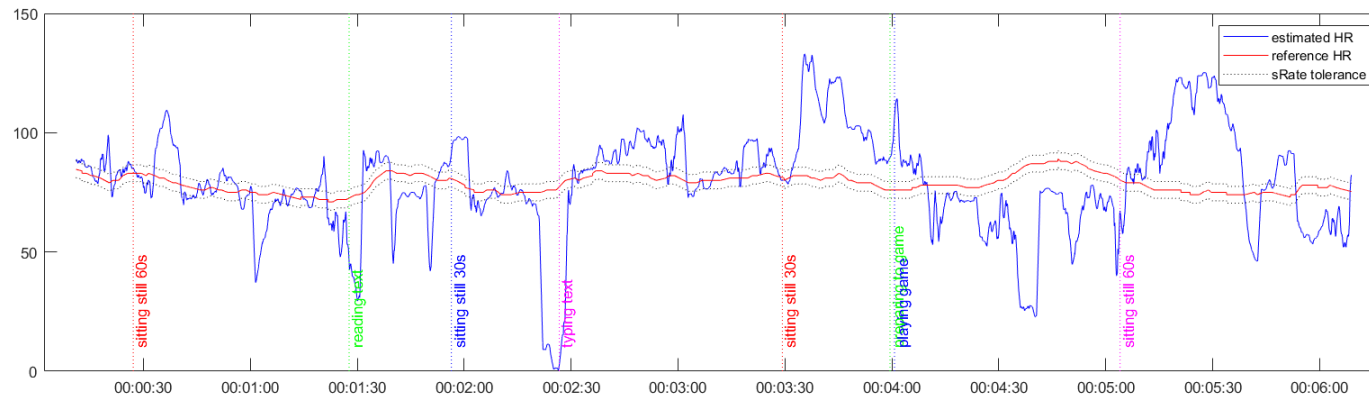
23.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 23. video 6, GRD, TIME_ROI1

1:sitting still 60s	'-0.90'	'7.88'	'11.14'	'11.18'	'0.10'	'0.37'	'0.58'	'0.00'	'00:01:01'	'27.30'	'0.01'	'0.02'	'32.72'
2:reading text	'-7.54'	'13.53'	'16.02'	'17.70'	'0.17'	'0.06'	'0.42'	'0.00'	'00:00:29'	'29.66'	'0.01'	'0.03'	'31.45'
3:sitting still 30s	'-10.24'	'17.32'	'27.75'	'29.57'	'0.23'	'0.33'	'0.22'	'0.00'	'00:00:30'	'29.82'	'0.01'	'0.01'	'12.76'
4:typing text	'4.26'	'9.61'	'14.27'	'14.89'	'0.12'	'0.33'	'0.53'	'0.00'	'00:01:03'	'22.48'	'0.01'	'0.07'	'85.83'
5:sitting still 30s	'24.05'	'24.21'	'14.43'	'28.05'	'0.30'	'0.10'	'0.53'	'0.00'	'00:00:30'	'24.66'	'0.01'	'0.02'	'84.18'
6:preparing to game	'19.03'	'19.03'	'4.92'	'19.65'	'0.25'	'0.00'	'NaN'	'NaN'	'00:00:01'	'25.20'	'0.01'	'0.01'	'35.80'
7:playing game	'-15.25'	'18.90'	'19.00'	'24.36'	'0.23'	'0.04'	'-0.43'	'0.00'	'00:01:03'	'25.58'	'0.01'	'0.05'	'61.48'
8:sitting still 60s	'10.06'	'21.79'	'24.07'	'26.09'	'0.29'	'0.10'	'-0.39'	'0.00'	'00:01:05'	'32.00'	'0.01'	'0.04'	'85.39'

23.4. Experiment results (plots)



Rozdział 24. video 6, ExG, TIME_ROI1

24.1. Experiment details

Experiment name : video 6, ExG, TIME_ROI1

Date : 01-Feb-2019 17:48:26

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4B

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-exg-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

24.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_6_ExG_TIME_ROI1_(23)	'5.24'	'12.24'	'16.99'	'17.78'	'0.16'	'0.22'	'-0.29'	'0.00'	'00:05:58'	'27.12'	'0.11'	'0.06'	'85.38'

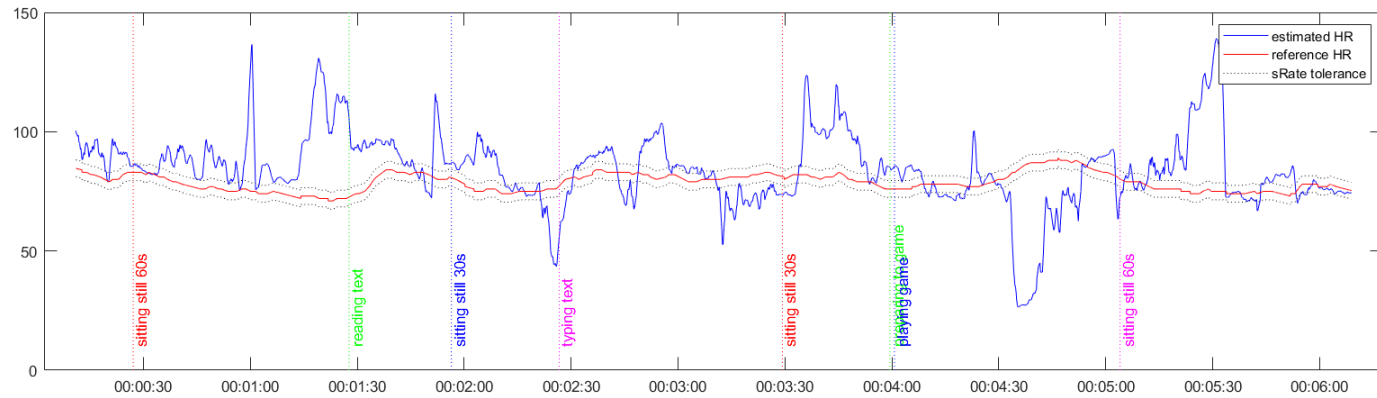
24.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 24. video 6, ExG, TIME_ROI1

1:sitting still 60s	'15.71'	'15.73'	'15.28'	'21.92'	'0.21'	'0.16'	'-0.41'	'0.00'	'00:01:01'	'27.30'	'0.01'	'0.02'	'32.72'
2:reading text	'10.59'	'11.87'	'9.38'	'14.14'	'0.15'	'0.16'	'-0.28'	'0.00'	'00:00:29'	'29.66'	'0.01'	'0.03'	'31.45'
3:sitting still 30s	'3.09'	'10.04'	'12.78'	'13.14'	'0.13'	'0.31'	'0.14'	'0.00'	'00:00:30'	'29.82'	'0.01'	'0.01'	'12.76'
4:typing text	'-0.21'	'8.51'	'9.97'	'9.97'	'0.10'	'0.15'	'0.14'	'0.00'	'00:01:03'	'22.48'	'0.01'	'0.07'	'85.83'
5:sitting still 30s	'13.11'	'15.14'	'12.55'	'18.14'	'0.19'	'0.12'	'0.42'	'0.00'	'00:00:30'	'24.66'	'0.01'	'0.02'	'84.18'
6:preparing to game	'8.58'	'8.58'	'0.46'	'8.59'	'0.11'	'0.00'	'NaN'	'NaN'	'00:00:01'	'25.20'	'0.01'	'0.01'	'35.80'
7:playing game	'-9.78'	'14.39'	'19.83'	'22.11'	'0.17'	'0.20'	'-0.48'	'0.00'	'00:01:03'	'25.58'	'0.01'	'0.05'	'61.48'
8:sitting still 60s	'9.28'	'11.13'	'16.94'	'19.31'	'0.15'	'0.45'	'-0.23'	'0.00'	'00:01:05'	'32.00'	'0.01'	'0.04'	'85.39'

24.4. Experiment results (plots)



Rozdział 25. video 6, ICA, TIME_ROI1

25.1. Experiment details

Experiment name : video 6, ICA, TIME_ROI1

Date : 01-Feb-2019 17:48:26

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4B

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-ica-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

25.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_6_ICA_TIME_ROI1_(24)	'5.67'	'9.28'	'10.82'	'12.22'	'0.12'	'0.26'	'-0.23'	'0.00'	'00:05:58'	'27.12'	'0.11'	'0.06'	'85.38'

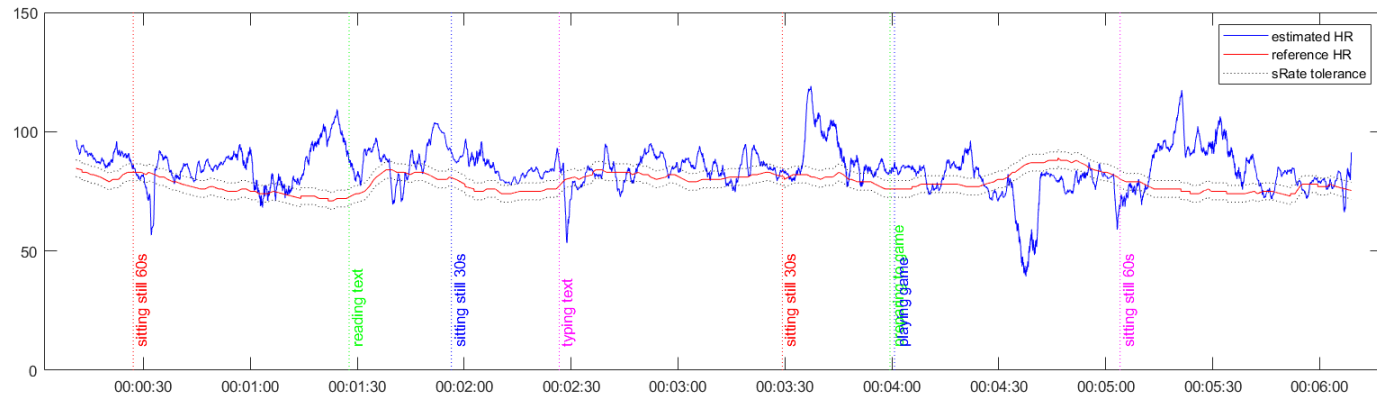
25.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 25. video 6, ICA, TIME_ROI1

1:sitting still 60s	'9.38'	'10.91'	'10.48'	'14.06'	'0.15'	'0.25'	'-0.41'	'0.00'	'00:01:01'	'27.30'	'0.01'	'0.02'	'32.72'
2:reading text	'8.03'	'10.27'	'8.94'	'12.01'	'0.13'	'0.16'	'-0.08'	'0.00'	'00:00:29'	'29.66'	'0.01'	'0.03'	'31.45'
3:sitting still 30s	'9.11'	'9.11'	'3.66'	'9.81'	'0.12'	'0.01'	'0.60'	'0.00'	'00:00:30'	'29.82'	'0.01'	'0.01'	'12.76'
4:typing text	'2.69'	'5.31'	'6.15'	'6.71'	'0.07'	'0.46'	'-0.01'	'0.49'	'00:01:03'	'22.48'	'0.01'	'0.07'	'85.83'
5:sitting still 30s	'10.43'	'10.75'	'9.94'	'14.40'	'0.13'	'0.27'	'0.36'	'0.00'	'00:00:30'	'24.66'	'0.01'	'0.02'	'84.18'
6:preparing to game	'8.23'	'8.23'	'1.09'	'8.30'	'0.11'	'0.00'	'NaN'	'NaN'	'00:00:01'	'25.20'	'0.01'	'0.01'	'35.80'
7:playing game	'-4.11'	'9.42'	'12.79'	'13.44'	'0.11'	'0.23'	'-0.41'	'0.00'	'00:01:03'	'25.58'	'0.01'	'0.05'	'61.48'
8:sitting still 60s	'9.12'	'10.75'	'10.57'	'13.96'	'0.14'	'0.30'	'-0.44'	'0.00'	'00:01:05'	'32.00'	'0.01'	'0.04'	'85.39'

25.4. Experiment results (plots)



Rozdział 26. video 7, G, TIME_ROI1

26.1. Experiment details

Experiment name : video 7, G, TIME_ROI1

Date : 02-Feb-2019 10:06:11

Camera : RGBRealSense

- relal/target fps = 59.6/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4B

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-g-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

26.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_7_G_TIME_ROI1_(25)	'4.94'	'6.08'	'7.59'	'9.05'	'0.09'	'0.50'	'0.13'	'0.00'	'00:06:08'	'150.44'	'0.13'	'0.07'	'68.98'

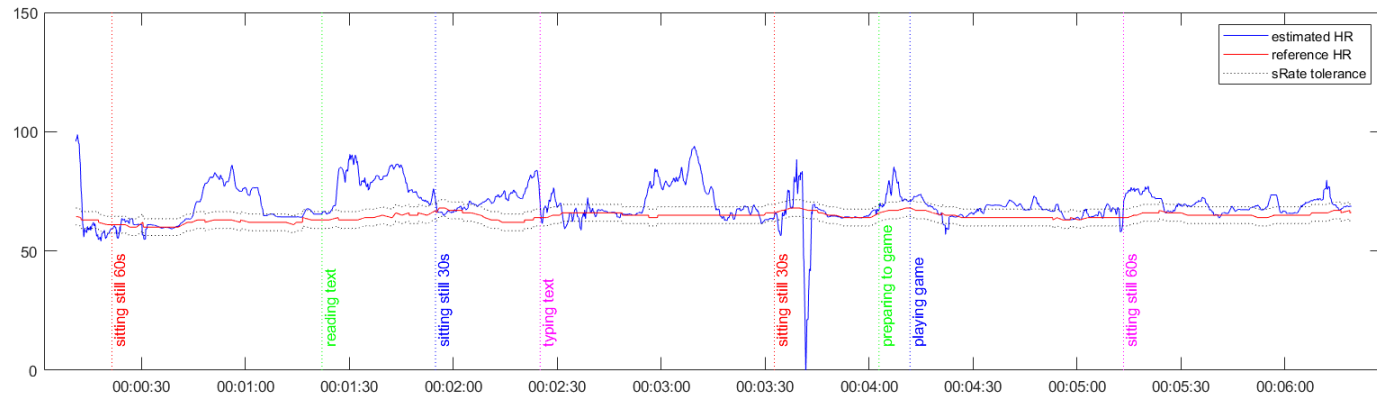
26.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 26. video 7, G, TIME_ROI1

1:sitting still 60s	'5.59'	'6.03'	'6.71'	'8.74'	'0.10'	'0.61'	'0.71'	'0.00'	'00:01:01'	'146.27'	'0.01'	'0.04'	'14.63'
2:reading text	'13.92'	'13.92'	'6.89'	'15.53'	'0.22'	'0.06'	'-0.14'	'0.00'	'00:00:33'	'135.52'	'0.02'	'0.06'	'29.49'
3:sitting still 30s	'6.99'	'7.45'	'6.08'	'9.27'	'0.12'	'0.32'	'-0.69'	'0.00'	'00:00:30'	'143.13'	'0.01'	'0.03'	'28.55'
4:typing text	'5.06'	'6.14'	'7.80'	'9.30'	'0.09'	'0.57'	'-0.42'	'0.00'	'00:01:08'	'113.47'	'0.01'	'0.05'	'76.39'
5:sitting still 30s	'-1.66'	'5.10'	'11.82'	'11.93'	'0.08'	'0.76'	'0.01'	'0.55'	'00:00:30'	'153.80'	'0.01'	'0.04'	'18.26'
6:preparing to game	'7.00'	'7.00'	'4.62'	'8.39'	'0.10'	'0.35'	'0.02'	'0.59'	'00:00:09'	'149.86'	'0.01'	'0.06'	'17.40'
7:playing game	'2.64'	'3.17'	'2.76'	'3.82'	'0.05'	'0.58'	'0.40'	'0.00'	'00:01:02'	'170.99'	'0.01'	'0.07'	'27.67'
8:sitting still 60s	'4.30'	'4.32'	'3.17'	'5.34'	'0.07'	'0.47'	'0.13'	'0.00'	'00:01:06'	'191.54'	'0.01'	'0.04'	'11.16'

26.4. Experiment results (plots)



Rozdział 27. video 7, GRD, TIME_ROI1

27.1. Experiment details

Experiment name : video 7, GRD, TIME_ROI1

Date : 02-Feb-2019 10:06:11

Camera : RGBRealSense

- relal/target fps = 59.6/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4B

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-gr-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

27.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_7_GRD_TIME_ROI1_(26)	'6.21'	'6.61'	'7.37'	'9.64'	'0.10'	'0.47'	'0.22'	'0.00'	'00:06:08'	'150.44'	'0.13'	'0.07'	'68.98'

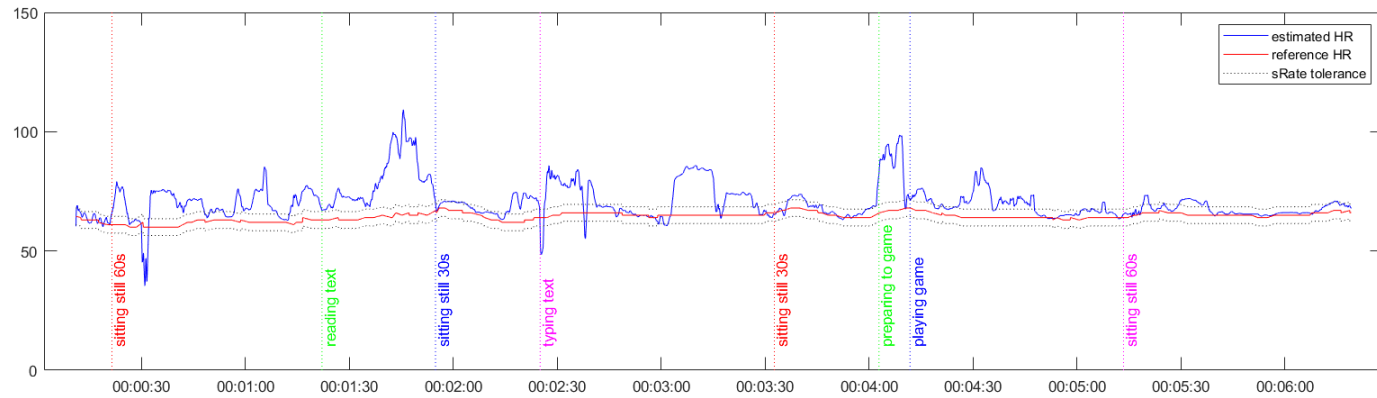
27.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 27. video 7, GRD, TIME_ROI1

1:sitting still 60s	'7.59'	'8.64'	'6.60'	'10.06'	'0.14'	'0.21'	'0.12'	'0.00'	'00:01:01'	'146.27'	'0.01'	'0.04'	'14.63'
2:reading text	'15.88'	'15.88'	'10.18'	'18.86'	'0.25'	'0.00'	'0.63'	'0.00'	'00:00:33'	'135.52'	'0.02'	'0.06'	'29.49'
3:sitting still 30s	'4.47'	'4.49'	'3.41'	'5.62'	'0.07'	'0.55'	'0.13'	'0.00'	'00:00:30'	'143.13'	'0.01'	'0.03'	'28.55'
4:typing text	'7.02'	'8.05'	'7.95'	'10.61'	'0.12'	'0.42'	'0.06'	'0.00'	'00:01:08'	'113.47'	'0.01'	'0.05'	'76.39'
5:sitting still 30s	'2.17'	'2.37'	'2.48'	'3.29'	'0.04'	'0.71'	'0.70'	'0.00'	'00:00:30'	'153.80'	'0.01'	'0.04'	'18.26'
6:preparing to game	'20.06'	'20.07'	'9.11'	'22.03'	'0.30'	'0.07'	'-0.56'	'0.00'	'00:00:09'	'149.86'	'0.01'	'0.06'	'17.40'
7:playing game	'4.96'	'4.99'	'4.24'	'6.52'	'0.08'	'0.46'	'0.34'	'0.00'	'00:01:02'	'170.99'	'0.01'	'0.07'	'27.67'
8:sitting still 60s	'2.02'	'2.04'	'1.90'	'2.78'	'0.03'	'0.81'	'0.56'	'0.00'	'00:01:06'	'191.54'	'0.01'	'0.04'	'11.16'

27.4. Experiment results (plots)



Rozdział 28. video 7, ExG, TIME_ROI1

28.1. Experiment details

Experiment name : video 7, ExG, TIME_ROI1

Date : 02-Feb-2019 10:06:11

Camera : RGBRealSense

- relal/target fps = 59.6/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4B

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-exg-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

28.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_7_ExG_TIME_ROI1_(27)	'6.85'	'7.14'	'8.48'	'10.90'	'0.11'	'0.48'	'0.17'	'0.00'	'00:06:08'	'150.44'	'0.13'	'0.07'	'68.98'

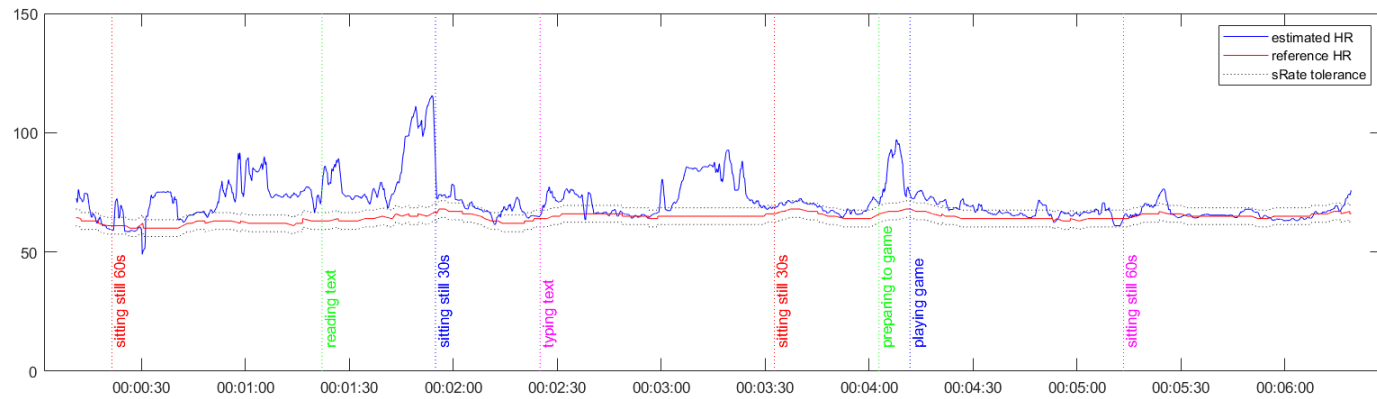
28.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 28. video 7, ExG, TIME_ROI1

1:sitting still 60s	'9.98'	'10.55'	'7.57'	'12.52'	'0.17'	'0.20'	'0.32'	'0.00'	'00:01:01'	'146.27'	'0.01'	'0.04'	'14.63'
2:reading text	'20.42'	'20.42'	'13.12'	'24.27'	'0.32'	'0.00'	'0.64'	'0.00'	'00:00:33'	'135.52'	'0.02'	'0.06'	'29.49'
3:sitting still 30s	'4.42'	'4.48'	'2.83'	'5.25'	'0.07'	'0.45'	'0.66'	'0.00'	'00:00:30'	'143.13'	'0.01'	'0.03'	'28.55'
4:typing text	'8.26'	'8.35'	'7.76'	'11.33'	'0.13'	'0.38'	'-0.17'	'0.00'	'00:01:08'	'113.47'	'0.01'	'0.05'	'76.39'
5:sitting still 30s	'3.06'	'3.06'	'1.51'	'3.41'	'0.05'	'0.76'	'0.72'	'0.00'	'00:00:30'	'153.80'	'0.01'	'0.04'	'18.26'
6:preparing to game	'16.82'	'16.82'	'8.56'	'18.87'	'0.25'	'0.00'	'0.06'	'0.19'	'00:00:09'	'149.86'	'0.01'	'0.06'	'17.40'
7:playing game	'3.29'	'3.56'	'2.44'	'4.10'	'0.05'	'0.60'	'0.74'	'0.00'	'00:01:02'	'170.99'	'0.01'	'0.07'	'27.67'
8:sitting still 60s	'1.04'	'1.69'	'2.36'	'2.58'	'0.03'	'0.89'	'0.64'	'0.00'	'00:01:06'	'191.54'	'0.01'	'0.04'	'11.16'

28.4. Experiment results (plots)



Rozdział 29. video 7, ICA, TIME_ROI1

29.1. Experiment details

Experiment name : video 7, ICA, TIME_ROI1

Date : 02-Feb-2019 10:06:11

Camera : RGBRealSense

- relal/target fps = 59.6/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4B

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-ica-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

29.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_7_ICA_TIME_ROI1_(28)	'6.86'	'6.87'	'3.75'	'7.81'	'0.11'	'0.18'	'0.25'	'0.00'	'00:06:08'	'150.44'	'0.13'	'0.07'	'68.98'

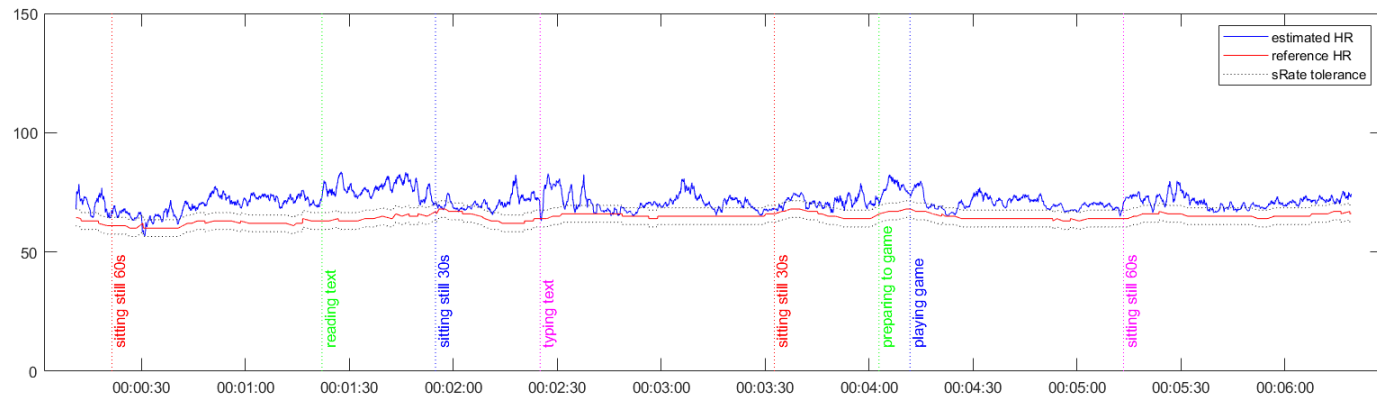
29.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 29. video 7, ICA, TIME_ROI1

1:sitting still 60s	'7.78'	'7.87'	'3.16'	'8.40'	'0.13'	'0.08'	'0.74'	'0.00'	'00:01:01'	'146.27'	'0.01'	'0.04'	'14.63'
2:reading text	'12.30'	'12.30'	'3.36'	'12.75'	'0.19'	'0.01'	'-0.02'	'0.49'	'00:00:33'	'135.52'	'0.02'	'0.06'	'29.49'
3:sitting still 30s	'6.12'	'6.12'	'4.15'	'7.39'	'0.10'	'0.31'	'-0.43'	'0.00'	'00:00:30'	'143.13'	'0.01'	'0.03'	'28.55'
4:typing text	'5.53'	'5.55'	'4.04'	'6.85'	'0.09'	'0.36'	'-0.21'	'0.00'	'00:01:08'	'113.47'	'0.01'	'0.05'	'76.39'
5:sitting still 30s	'5.34'	'5.34'	'2.64'	'5.95'	'0.08'	'0.25'	'0.03'	'0.15'	'00:00:30'	'153.80'	'0.01'	'0.04'	'18.26'
6:preparing to game	'10.07'	'10.07'	'2.72'	'10.43'	'0.15'	'0.00'	'0.18'	'0.00'	'00:00:09'	'149.86'	'0.01'	'0.06'	'17.40'
7:playing game	'6.11'	'6.11'	'2.67'	'6.67'	'0.09'	'0.14'	'0.36'	'0.00'	'00:01:02'	'170.99'	'0.01'	'0.07'	'27.67'
8:sitting still 60s	'5.82'	'5.82'	'2.22'	'6.23'	'0.09'	'0.15'	'0.42'	'0.00'	'00:01:06'	'191.54'	'0.01'	'0.04'	'11.16'

29.4. Experiment results (plots)



Rozdział 30. video 8, G, TIME_ROI1

30.1. Experiment details

Experiment name : video 8, G, TIME_ROI1

Date : 19-Nov-2018 13:19:11

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set3

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-g-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

30.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_8_G_TIME_ROI1_(29)	'8.27'	'15.94'	'19.77'	'21.43'	'0.22'	'0.14'	'-0.37'	'0.00'	'00:06:07'	'49.16'	'0.10'	'0.07'	'30.34'

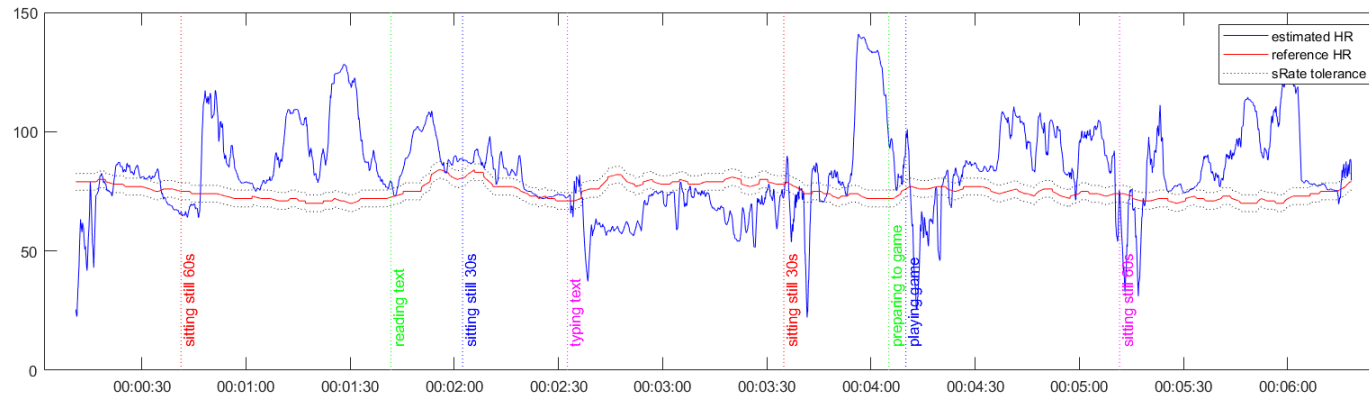
30.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 30. video 8, G, TIME_ROI1

1:sitting still 60s	'20.91'	'22.28'	'17.69'	'27.38'	'0.31'	'0.02'	'-0.35'	'0.00'	'00:01:00'	'56.71'	'0.01'	'0.04'	'19.80'
2:reading text	'13.29'	'13.32'	'9.43'	'16.29'	'0.17'	'0.17'	'0.22'	'0.00'	'00:00:21'	'55.52'	'0.01'	'0.03'	'21.90'
3:sitting still 30s	'4.86'	'4.93'	'4.33'	'6.51'	'0.06'	'0.48'	'0.86'	'0.00'	'00:00:30'	'52.73'	'0.01'	'0.02'	'17.89'
4:typing text	'-11.77'	'12.25'	'8.52'	'14.53'	'0.16'	'0.11'	'-0.16'	'0.00'	'00:01:02'	'52.68'	'0.01'	'0.08'	'19.66'
5:sitting still 30s	'18.17'	'24.74'	'29.88'	'34.96'	'0.34'	'0.17'	'-0.54'	'0.00'	'00:00:30'	'48.58'	'0.01'	'0.03'	'22.65'
6:preparing to game	'12.29'	'12.29'	'7.60'	'14.44'	'0.17'	'0.14'	'-0.31'	'0.00'	'00:00:05'	'45.46'	'0.01'	'0.04'	'18.50'
7:playing game	'10.89'	'17.50'	'17.00'	'20.18'	'0.23'	'0.05'	'-0.33'	'0.00'	'00:01:02'	'37.64'	'0.01'	'0.05'	'31.75'
8:sitting still 60s	'13.80'	'17.20'	'18.09'	'22.75'	'0.24'	'0.19'	'-0.32'	'0.00'	'00:01:07'	'43.33'	'0.01'	'0.04'	'16.63'

30.4. Experiment results (plots)



Rozdział 31. video 8, GRD, TIME_ROI1

31.1. Experiment details

Experiment name : video 8, GRD, TIME_ROI1

Date : 19-Nov-2018 13:19:11

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set3

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-gr-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

31.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_8_GRD_TIME_ROI1_(30)	'12.94'	'16.20'	'16.37'	'20.87'	'0.22'	'0.18'	'-0.32'	'0.00'	'00:06:07'	'49.16'	'0.10'	'0.07'	'30.34'

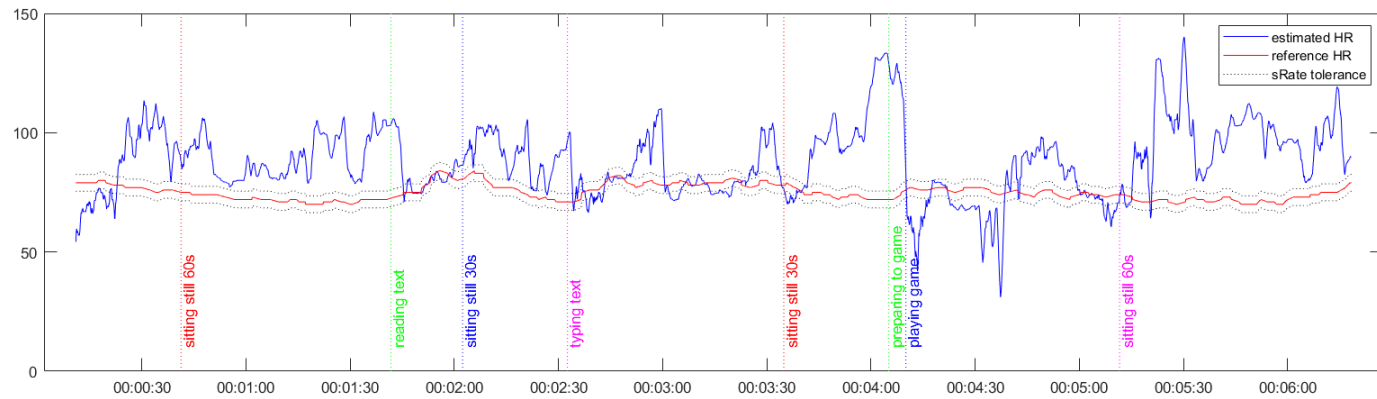
31.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 31. video 8, GRD, TIME_ROI1

1:sitting still 60s	'17.69'	'17.69'	'8.72'	'19.73'	'0.25'	'0.00'	'0.04'	'0.02'	'00:01:00'	'56.71'	'0.01'	'0.04'	'19.80'
2:reading text	'4.94'	'6.39'	'10.51'	'11.60'	'0.09'	'0.57'	'-0.29'	'0.00'	'00:00:21'	'55.52'	'0.01'	'0.03'	'21.90'
3:sitting still 30s	'14.61'	'14.61'	'7.14'	'16.26'	'0.19'	'0.08'	'0.49'	'0.00'	'00:00:30'	'52.73'	'0.01'	'0.02'	'17.89'
4:typing text	'4.29'	'7.25'	'9.82'	'10.72'	'0.09'	'0.43'	'0.08'	'0.00'	'00:01:02'	'52.68'	'0.01'	'0.08'	'19.66'
5:sitting still 30s	'24.13'	'25.54'	'19.69'	'31.14'	'0.35'	'0.11'	'-0.81'	'0.00'	'00:00:30'	'48.58'	'0.01'	'0.03'	'22.65'
6:preparing to game	'46.20'	'46.20'	'10.52'	'47.38'	'0.63'	'0.00'	'-0.75'	'0.00'	'00:00:05'	'45.46'	'0.01'	'0.04'	'18.50'
7:playing game	'-0.97'	'10.32'	'12.95'	'12.99'	'0.14'	'0.25'	'-0.25'	'0.00'	'00:01:02'	'37.64'	'0.01'	'0.05'	'31.75'
8:sitting still 60s	'25.44'	'25.71'	'14.27'	'29.17'	'0.36'	'0.04'	'-0.21'	'0.00'	'00:01:07'	'43.33'	'0.01'	'0.04'	'16.63'

31.4. Experiment results (plots)



Rozdział 32. video 8, ExG, TIME_ROI1

32.1. Experiment details

Experiment name : video 8, ExG, TIME_ROI1

Date : 19-Nov-2018 13:19:11

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set3

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-exg-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

32.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_8_ExG_TIME_ROI1_(31)	'10.38'	'15.72'	'18.49'	'21.21'	'0.21'	'0.20'	'-0.29'	'0.00'	'00:06:07'	'49.16'	'0.10'	'0.07'	'30.34'

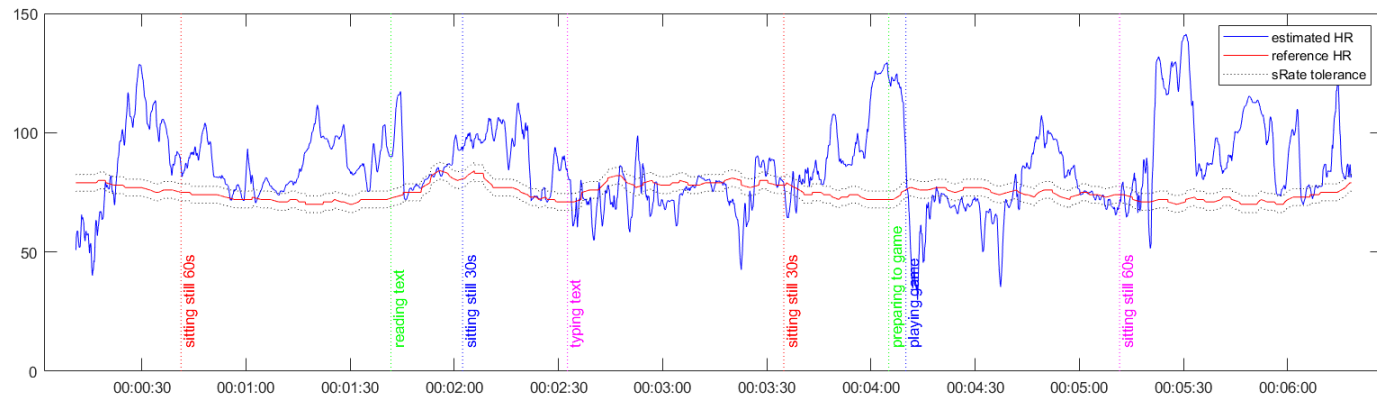
32.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 32. video 8, ExG, TIME_ROI1

1:sitting still 60s	'14.36'	'14.40'	'9.62'	'17.28'	'0.20'	'0.10'	'-0.13'	'0.00'	'00:01:00'	'56.71'	'0.01'	'0.04'	'19.80'
2:reading text	'8.34'	'8.83'	'12.27'	'14.83'	'0.12'	'0.61'	'-0.17'	'0.00'	'00:00:21'	'55.52'	'0.01'	'0.03'	'21.90'
3:sitting still 30s	'15.84'	'15.94'	'9.64'	'18.54'	'0.21'	'0.18'	'0.57'	'0.00'	'00:00:30'	'52.73'	'0.01'	'0.02'	'17.89'
4:typing text	'-3.72'	'7.13'	'8.58'	'9.35'	'0.09'	'0.36'	'0.13'	'0.00'	'00:01:02'	'52.68'	'0.01'	'0.08'	'19.66'
5:sitting still 30s	'19.21'	'20.91'	'18.80'	'26.88'	'0.29'	'0.06'	'-0.78'	'0.00'	'00:00:30'	'48.58'	'0.01'	'0.03'	'22.65'
6:preparing to game	'44.22'	'44.22'	'9.12'	'45.15'	'0.60'	'0.00'	'-0.83'	'0.00'	'00:00:05'	'45.46'	'0.01'	'0.04'	'18.50'
7:playing game	'-1.68'	'11.11'	'14.76'	'14.85'	'0.15'	'0.24'	'-0.32'	'0.00'	'00:01:02'	'37.64'	'0.01'	'0.05'	'31.75'
8:sitting still 60s	'22.66'	'23.50'	'19.97'	'30.20'	'0.33'	'0.13'	'-0.30'	'0.00'	'00:01:07'	'43.33'	'0.01'	'0.04'	'16.63'

32.4. Experiment results (plots)



Rozdział 33. video 8, ICA, TIME_ROI1

33.1. Experiment details

Experiment name : video 8, ICA, TIME_ROI1

Date : 19-Nov-2018 13:19:11

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set3

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-ica-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

33.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_8_ICA_TIME_ROI1_(32)	'4.96'	'7.77'	'8.28'	'9.65'	'0.10'	'0.23'	'-0.08'	'0.00'	'00:06:07'	'49.16'	'0.10'	'0.07'	'30.34'

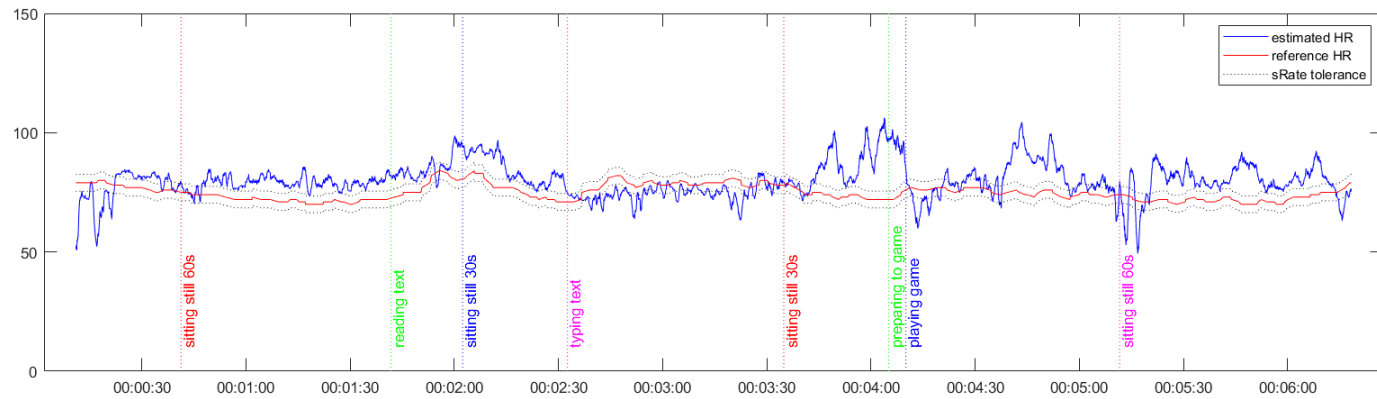
33.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 33. video 8, ICA, TIME_ROI1

1:sitting still 60s	'6.97'	'7.07'	'3.06'	'7.61'	'0.10'	'0.10'	'-0.11'	'0.00'	'00:01:00'	'56.71'	'0.01'	'0.04'	'19.80'
2:reading text	'6.93'	'7.44'	'4.92'	'8.50'	'0.10'	'0.19'	'0.40'	'0.00'	'00:00:21'	'55.52'	'0.01'	'0.03'	'21.90'
3:sitting still 30s	'8.58'	'8.58'	'3.66'	'9.33'	'0.11'	'0.06'	'0.84'	'0.00'	'00:00:30'	'52.73'	'0.01'	'0.02'	'17.89'
4:typing text	'-3.63'	'4.26'	'3.82'	'5.27'	'0.05'	'0.50'	'0.17'	'0.00'	'00:01:02'	'52.68'	'0.01'	'0.08'	'19.66'
5:sitting still 30s	'11.76'	'11.96'	'9.74'	'15.27'	'0.16'	'0.25'	'-0.63'	'0.00'	'00:00:30'	'48.58'	'0.01'	'0.03'	'22.65'
6:preparing to game	'21.66'	'21.66'	'4.50'	'22.12'	'0.30'	'0.00'	'-0.75'	'0.00'	'00:00:05'	'45.46'	'0.01'	'0.04'	'18.50'
7:playing game	'5.34'	'7.50'	'8.23'	'9.81'	'0.10'	'0.33'	'-0.10'	'0.00'	'00:01:02'	'37.64'	'0.01'	'0.05'	'31.75'
8:sitting still 60s	'6.94'	'9.21'	'7.67'	'10.34'	'0.13'	'0.10'	'-0.23'	'0.00'	'00:01:07'	'43.33'	'0.01'	'0.04'	'16.63'

33.4. Experiment results (plots)



Rozdział 34. video 9, G, TIME_ROI1

34.1. Experiment details

Experiment name : video 9, G, TIME_ROI1

Date : 14-Dec-2018 12:31:53

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-g-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

34.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_9_G_TIME_ROI1_(33)	'3.58'	'12.24'	'15.82'	'16.22'	'0.22'	'0.18'	'-0.11'	'0.00'	'00:05:56'	'105.71'	'0.10'	'0.03'	'149.83'

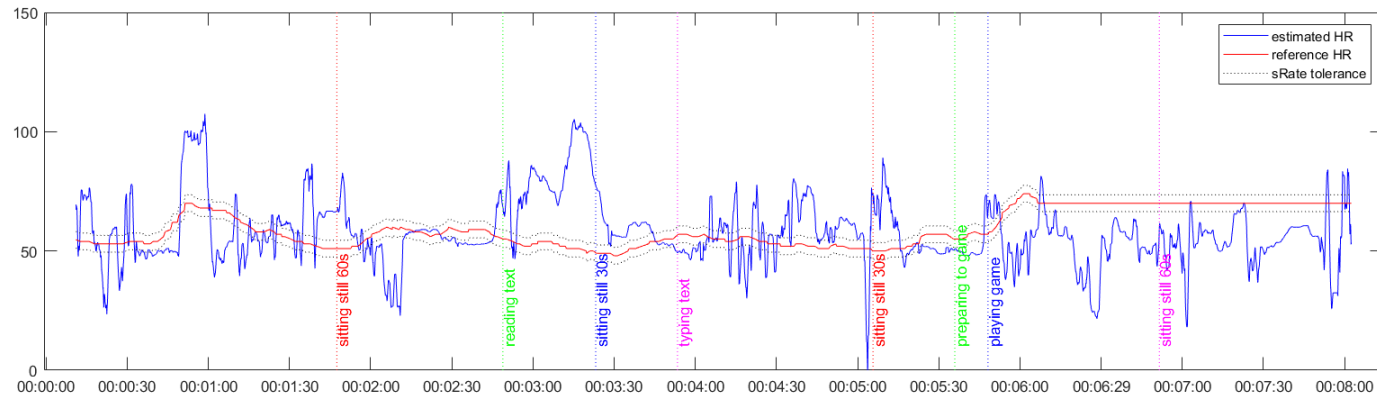
34.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 34. video 9, G, TIME_ROI1

1:sitting still 60s	'-3.04'	'8.37'	'11.80'	'12.18'	'0.15'	'0.34'	'-0.55'	'0.00'	'00:01:01'	'108.00'	'0.01'	'0.01'	'14.28'
2:reading text	'28.54'	'28.91'	'14.27'	'31.91'	'0.56'	'0.04'	'-0.63'	'0.00'	'00:00:34'	'107.04'	'0.01'	'0.01'	'7.58'
3:sitting still 30s	'6.78'	'8.08'	'7.51'	'10.12'	'0.16'	'0.26'	'-0.50'	'0.00'	'00:00:30'	'102.90'	'0.02'	'0.01'	'7.65'
4:typing text	'3.54'	'9.95'	'12.01'	'12.52'	'0.19'	'0.16'	'-0.24'	'0.00'	'00:01:12'	'103.45'	'0.02'	'0.06'	'25.88'
5:sitting still 30s	'3.00'	'9.45'	'12.28'	'12.64'	'0.18'	'0.19'	'-0.65'	'0.00'	'00:00:30'	'114.42'	'0.01'	'0.01'	'15.32'
6:preparing to game	'-4.95'	'7.82'	'6.68'	'8.31'	'0.14'	'0.02'	'0.10'	'0.01'	'00:00:12'	'109.88'	'0.01'	'0.01'	'8.33'
7:playing game	'-13.61'	'17.78'	'14.12'	'19.61'	'0.26'	'0.02'	'-0.65'	'0.00'	'00:00:19'	'98.97'	'0.01'	'0.00'	'8.71'
8:sitting still 60s	'100.00'	'100.00'	'0.00'	'100.00'	'Inf'	'0.00'	'NaN'	'NaN'	'00:00:00'	'105.95'	'0.01'	'0.03'	'48.65'

34.4. Experiment results (plots)



Rozdział 35. video 9, GRD, TIME_ROI1

35.1. Experiment details

Experiment name : video 9, GRD, TIME_ROI1

Date : 14-Dec-2018 12:31:53

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-gr-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

35.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_9_GRD_TIME_ROI1_(34)	'18.84'	'26.43'	'28.33'	'34.02'	'0.48'	'0.13'	'-0.27'	'0.00'	'00:05:56'	'105.71'	'0.10'	'0.03'	'149.83'

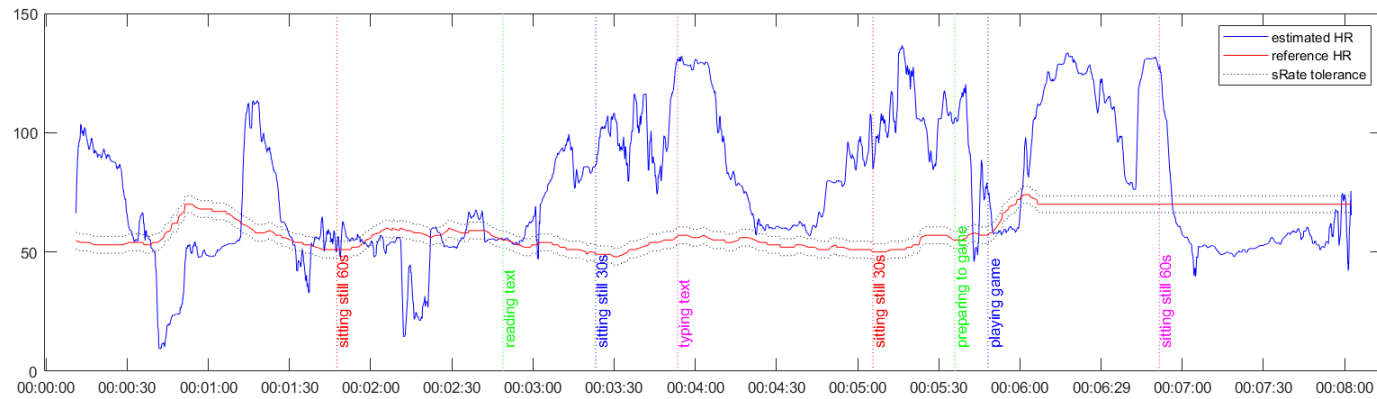
35.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 35. video 9, GRD, TIME_ROI1

1:sitting still 60s	'-5.72'	'8.67'	'12.42'	'13.67'	'0.15'	'0.37'	'-0.16'	'0.00'	'00:01:01'	'108.00'	'0.01'	'0.01'	'14.28'
2:reading text	'21.33'	'21.54'	'15.91'	'26.61'	'0.42'	'0.24'	'-0.59'	'0.00'	'00:00:34'	'107.04'	'0.01'	'0.01'	'7.58'
3:sitting still 30s	'48.08'	'48.08'	'11.79'	'49.50'	'0.94'	'0.00'	'0.09'	'0.00'	'00:00:30'	'102.90'	'0.02'	'0.01'	'7.65'
4:typing text	'31.04'	'31.04'	'23.65'	'39.02'	'0.57'	'0.01'	'0.57'	'0.00'	'00:01:12'	'103.45'	'0.02'	'0.06'	'25.88'
5:sitting still 30s	'54.62'	'54.62'	'14.08'	'56.40'	'1.03'	'0.00'	'-0.31'	'0.00'	'00:00:30'	'114.42'	'0.01'	'0.01'	'15.32'
6:preparing to game	'30.39'	'32.90'	'24.33'	'38.92'	'0.59'	'0.03'	'-0.88'	'0.00'	'00:00:12'	'109.88'	'0.01'	'0.01'	'8.33'
7:playing game	'4.69'	'12.61'	'15.80'	'16.48'	'0.18'	'0.19'	'0.53'	'0.00'	'00:00:19'	'98.97'	'0.01'	'0.00'	'8.71'
8:sitting still 60s	'100.00'	'100.00'	'0.00'	'100.00'	'Inf'	'0.00'	'NaN'	'NaN'	'00:00:00'	'105.95'	'0.01'	'0.03'	'48.65'

35.4. Experiment results (plots)



Rozdział 36. video 9, ExG, TIME_ROI1

36.1. Experiment details

Experiment name : video 9, ExG, TIME_ROI1

Date : 14-Dec-2018 12:31:53

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-exg-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

36.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_9_ExG_TIME_ROI1_(35)	'23.21'	'27.00'	'25.56'	'34.52'	'0.50'	'0.11'	'-0.16'	'0.00'	'00:05:56'	'105.71'	'0.10'	'0.03'	'149.83'

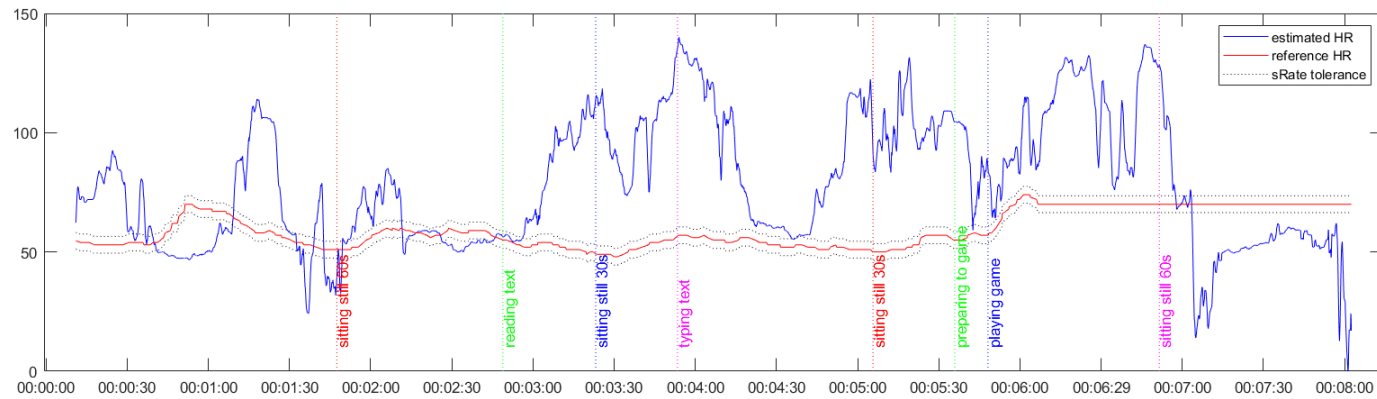
36.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 36. video 9, ExG, TIME_ROI1

1:sitting still 60s	'2.88'	'7.55'	'9.58'	'10.00'	'0.13'	'0.33'	'0.17'	'0.00'	'00:01:01'	'108.00'	'0.01'	'0.01'	'14.28'
2:reading text	'29.35'	'29.35'	'21.67'	'36.48'	'0.57'	'0.21'	'-0.74'	'0.00'	'00:00:34'	'107.04'	'0.01'	'0.01'	'7.58'
3:sitting still 30s	'48.96'	'48.96'	'13.86'	'50.88'	'0.95'	'0.00'	'0.55'	'0.00'	'00:00:30'	'102.90'	'0.02'	'0.01'	'7.65'
4:typing text	'35.41'	'35.41'	'26.10'	'43.99'	'0.66'	'0.03'	'0.38'	'0.00'	'00:01:12'	'103.45'	'0.02'	'0.06'	'25.88'
5:sitting still 30s	'49.66'	'49.66'	'10.37'	'50.73'	'0.93'	'0.00'	'0.07'	'0.01'	'00:00:30'	'114.42'	'0.01'	'0.01'	'15.32'
6:preparing to game	'31.83'	'31.83'	'14.83'	'35.11'	'0.57'	'0.01'	'-0.93'	'0.00'	'00:00:12'	'109.88'	'0.01'	'0.01'	'8.33'
7:playing game	'19.79'	'19.79'	'8.91'	'21.70'	'0.29'	'0.00'	'0.80'	'0.00'	'00:00:19'	'98.97'	'0.01'	'0.00'	'8.71'
8:sitting still 60s	'100.00'	'100.00'	'0.00'	'100.00'	'Inf'	'0.00'	'NaN'	'NaN'	'00:00:00'	'105.95'	'0.01'	'0.03'	'48.65'

36.4. Experiment results (plots)



Rozdział 37. video 9, ICA, TIME_ROI1

37.1. Experiment details

Experiment name : video 9, ICA, TIME_ROI1

Date : 14-Dec-2018 12:31:53

Camera : RGBRealSense

- relal/target fps = 59.5/60

- nof dropped frames = 0

- swapRGB = 0

Person : trackedPerson_2

Face tracking algorithm name : faceTrackingMultiB_ver1

Face tracking parameter set name : set4

Face analysis algorithm name : faceAnalysis-ver1

Face analysis parameter set name : set1

Heart rate det. algorithm name : detectHR-4-wrapper

Heart rate det. algorithm param set name : set4-mcs-ica-bandpass-time-hrpostmean

- results HR = : HR1

Error computation parameters :

- success rate tolerance = 3.52 [bpm]

- delay correction used = 2.10 [s]

37.2. Experiment results (whole sequence)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video_9_ICA_TIME_ROI1_(36)	'19.19'	'22.07'	'21.92'	'29.13'	'0.41'	'0.14'	'-0.25'	'0.00'	'00:05:56'	'105.71'	'0.10'	'0.03'	'149.83'

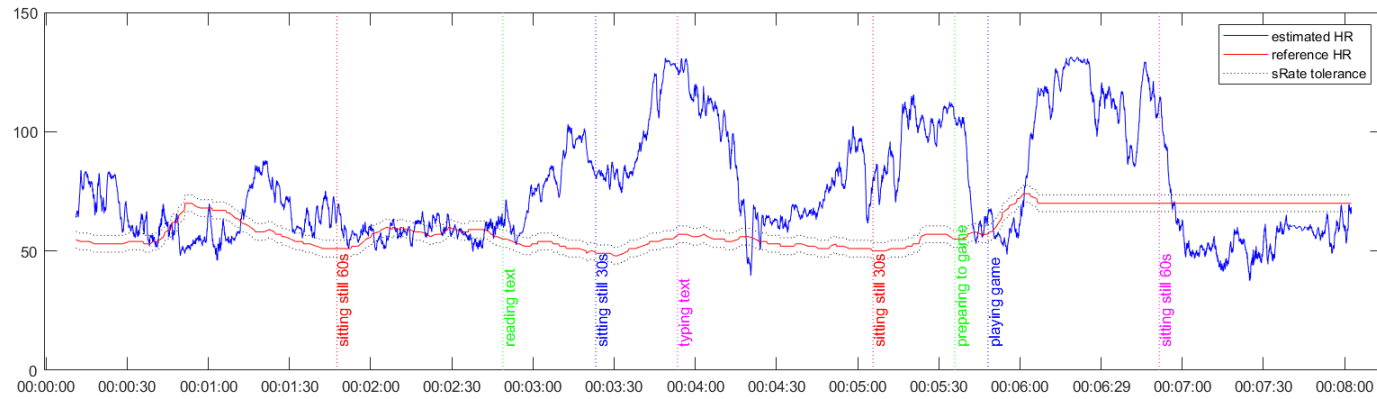
37.3. Experiment results (parts)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '

Rozdział 37. video 9, ICA, TIME_ROI1

1:sitting still 60s	'1.30'	'3.99'	'4.89'	'5.05'	'0.07'	'0.49'	'-0.16'	'0.00'	'00:01:01'	'108.00'	'0.01'	'0.01'	'14.28'
2:reading text	'26.38'	'26.39'	'15.06'	'30.37'	'0.51'	'0.06'	'-0.64'	'0.00'	'00:00:34'	'107.04'	'0.01'	'0.01'	'7.58'
3:sitting still 30s	'46.46'	'46.46'	'16.41'	'49.27'	'0.89'	'0.00'	'0.94'	'0.00'	'00:00:30'	'102.90'	'0.02'	'0.01'	'7.65'
4:typing text	'29.18'	'29.83'	'20.94'	'35.91'	'0.55'	'0.02'	'0.49'	'0.00'	'00:01:12'	'103.45'	'0.02'	'0.06'	'25.88'
5:sitting still 30s	'44.12'	'44.12'	'10.74'	'45.41'	'0.82'	'0.00'	'0.61'	'0.00'	'00:00:30'	'114.42'	'0.01'	'0.01'	'15.32'
6:preparing to game	'21.29'	'21.91'	'21.16'	'30.00'	'0.39'	'0.26'	'-0.94'	'0.00'	'00:00:12'	'109.88'	'0.01'	'0.01'	'8.33'
7:playing game	'2.13'	'13.48'	'17.09'	'17.22'	'0.19'	'0.08'	'0.48'	'0.00'	'00:00:19'	'98.97'	'0.01'	'0.00'	'8.71'
8:sitting still 60s	'100.00'	'100.00'	'0.00'	'100.00'	'Inf'	'0.00'	'NaN'	'NaN'	'00:00:00'	'105.95'	'0.01'	'0.03'	'48.65'

37.4. Experiment results (plots)



Rozdział 38. All video sequences - results

38.1. experiment results (table)

	me	mae	sde	rmse	Merp	sRate	r	p	duration	meanLight	stdAcc	stdRot	stdT
[units]	'[bpm]'	'[bpm]'	'[bpm]'	'[bpm]'	'[%]'	'[%]'	' '	' '	'[hh:mm:ss]'	'[lux]'	'G'	' '	' '
video 1, G, TIME ROI1	'-8.31'	'10.34'	'14.65'	'16.84'	'0.13'	'0.49'	'-0.04'	'0.00'	'00:05:45'	'71.98'	'0.13'	'0.02'	'64.42'
video 1, GRD, TIME ROI1	'-0.70'	'3.00'	'4.29'	'4.34'	'0.04'	'0.70'	'0.26'	'0.00'	'00:05:45'	'71.98'	'0.13'	'0.02'	'64.42'
video 1, ExG, TIME ROI1	'0.77'	'2.10'	'2.71'	'2.82'	'0.03'	'0.83'	'0.44'	'0.00'	'00:05:45'	'71.98'	'0.13'	'0.02'	'64.42'
video 1, ICA, TIME ROI1	'-3.87'	'5.25'	'6.30'	'7.39'	'0.06'	'0.51'	'0.01'	'0.23'	'00:05:45'	'71.98'	'0.13'	'0.02'	'64.42'
video 2, G, TIME ROI1	'-13.01'	'13.92'	'16.88'	'21.31'	'0.14'	'0.38'	'0.03'	'0.00'	'00:05:05'	'86.44'	'0.12'	'0.03'	'41.14'
video 2, GRD, TIME ROI1	'-5.04'	'7.09'	'10.09'	'11.28'	'0.07'	'0.47'	'0.56'	'0.00'	'00:05:05'	'86.44'	'0.12'	'0.03'	'41.14'
video 2, ExG, TIME ROI1	'-4.43'	'6.41'	'9.98'	'10.91'	'0.06'	'0.53'	'0.57'	'0.00'	'00:05:05'	'86.44'	'0.12'	'0.03'	'41.14'
video 2, ICA, TIME ROI1	'-8.47'	'9.13'	'8.76'	'12.19'	'0.10'	'0.30'	'0.69'	'0.00'	'00:05:05'	'86.44'	'0.12'	'0.03'	'41.14'
video 3, G, TIME ROI1	'7.70'	'13.97'	'19.20'	'20.69'	'0.19'	'0.28'	'-0.28'	'0.00'	'00:05:42'	'40.03'	'0.11'	'0.08'	'26.33'
video 3, GRD, TIME ROI1	'5.98'	'13.65'	'17.38'	'18.38'	'0.19'	'0.25'	'-0.17'	'0.00'	'00:05:42'	'40.03'	'0.11'	'0.08'	'26.33'
video 3, ExG, TIME ROI1	'6.11'	'12.01'	'16.60'	'17.69'	'0.16'	'0.36'	'-0.04'	'0.00'	'00:05:42'	'40.03'	'0.11'	'0.08'	'26.33'
video 3, ICA, TIME ROI1	'3.55'	'5.01'	'5.22'	'6.32'	'0.07'	'0.43'	'0.20'	'0.00'	'00:05:42'	'40.03'	'0.11'	'0.08'	'26.33'
video 4, G, TIME ROI1	'6.61'	'9.69'	'12.60'	'14.22'	'0.14'	'0.35'	'-0.14'	'0.00'	'00:05:31'	'54.17'	'0.11'	'0.03'	'103.15'
video 4, GRD, TIME ROI1	'8.47'	'8.89'	'10.03'	'13.12'	'0.13'	'0.43'	'0.14'	'0.00'	'00:05:31'	'54.17'	'0.11'	'0.03'	'103.15'
video 4, ExG, TIME ROI1	'6.66'	'6.94'	'7.98'	'10.39'	'0.10'	'0.45'	'0.21'	'0.00'	'00:05:31'	'54.17'	'0.11'	'0.03'	'103.15'
video 4, ICA, TIME ROI1	'6.98'	'7.33'	'5.04'	'8.61'	'0.11'	'0.21'	'0.16'	'0.00'	'00:05:31'	'54.17'	'0.11'	'0.03'	'103.15'
video 5, G, TIME ROI1	'-8.75'	'9.84'	'14.23'	'16.70'	'0.13'	'0.51'	'0.23'	'0.00'	'00:06:00'	'964.84'	'0.12'	'0.02'	'160.19'
video 5, GRD, TIME ROI1	'1.05'	'1.70'	'2.23'	'2.47'	'0.02'	'0.88'	'0.88'	'0.00'	'00:06:00'	'964.84'	'0.12'	'0.02'	'160.19'
video 5, ExG, TIME ROI1	'1.34'	'1.66'	'2.18'	'2.56'	'0.02'	'0.89'	'0.90'	'0.00'	'00:06:00'	'964.84'	'0.12'	'0.02'	'160.19'
video 5, ICA, TIME ROI1	'-2.79'	'4.17'	'4.72'	'5.48'	'0.06'	'0.52'	'0.64'	'0.00'	'00:06:00'	'964.84'	'0.12'	'0.02'	'160.19'
video 6, G, TIME ROI1	'6.19'	'14.37'	'19.07'	'20.05'	'0.18'	'0.22'	'-0.28'	'0.00'	'00:05:58'	'27.12'	'0.11'	'0.06'	'85.38'
video 6, GRD, TIME ROI1	'0.49'	'15.16'	'21.36'	'21.36'	'0.19'	'0.21'	'0.04'	'0.00'	'00:05:58'	'27.12'	'0.11'	'0.06'	'85.38'
video 6, ExG, TIME ROI1	'5.24'	'12.24'	'16.99'	'17.78'	'0.16'	'0.22'	'-0.29'	'0.00'	'00:05:58'	'27.12'	'0.11'	'0.06'	'85.38'
video 6, ICA, TIME ROI1	'5.67'	'9.28'	'10.82'	'12.22'	'0.12'	'0.26'	'-0.23'	'0.00'	'00:05:58'	'27.12'	'0.11'	'0.06'	'85.38'
video 7, G, TIME ROI1	'4.94'	'6.08'	'7.59'	'9.05'	'0.09'	'0.50'	'0.13'	'0.00'	'00:06:08'	'150.44'	'0.13'	'0.07'	'68.98'
video 7, GRD, TIME ROI1	'6.21'	'6.61'	'7.37'	'9.64'	'0.10'	'0.47'	'0.22'	'0.00'	'00:06:08'	'150.44'	'0.13'	'0.07'	'68.98'
video 7, ExG, TIME ROI1	'6.85'	'7.14'	'8.48'	'10.90'	'0.11'	'0.48'	'0.17'	'0.00'	'00:06:08'	'150.44'	'0.13'	'0.07'	'68.98'
video 7, ICA, TIME ROI1	'6.86'	'6.87'	'3.75'	'7.81'	'0.11'	'0.18'	'0.25'	'0.00'	'00:06:08'	'150.44'	'0.13'	'0.07'	'68.98'
video 8, G, TIME ROI1	'8.27'	'15.94'	'19.77'	'21.43'	'0.22'	'0.14'	'-0.37'	'0.00'	'00:06:07'	'49.16'	'0.10'	'0.07'	'30.34'
video 8, GRD, TIME ROI1	'12.94'	'16.20'	'16.37'	'20.87'	'0.22'	'0.18'	'-0.32'	'0.00'	'00:06:07'	'49.16'	'0.10'	'0.07'	'30.34'
video 8, ExG, TIME ROI1	'10.38'	'15.72'	'18.49'	'21.21'	'0.21'	'0.20'	'-0.29'	'0.00'	'00:06:07'	'49.16'	'0.10'	'0.07'	'30.34'
video 8, ICA, TIME ROI1	'4.96'	'7.77'	'8.28'	'9.65'	'0.10'	'0.23'	'-0.08'	'0.00'	'00:06:07'	'49.16'	'0.10'	'0.07'	'30.34'
video 9, G, TIME ROI1	'3.58'	'12.24'	'15.82'	'16.22'	'0.22'	'0.18'	'-0.11'	'0.00'	'00:05:56'	'105.71'	'0.10'	'0.03'	'149.83'
video 9, GRD, TIME ROI1	'18.84'	'26.43'	'28.33'	'34.02'	'0.48'	'0.13'	'-0.27'	'0.00'	'00:05:56'	'105.71'	'0.10'	'0.03'	'149.83'
video 9, ExG, TIME ROI1	'23.21'	'27.00'	'25.56'	'34.52'	'0.50'	'0.11'	'-0.16'	'0.00'	'00:05:56'	'105.71'	'0.10'	'0.03'	'149.83'
video 9, ICA, TIME ROI1	'19.19'	'22.07'	'21.92'	'29.13'	'0.41'	'0.14'	'-0.25'	'0.00'	'00:05:56'	'105.71'	'0.10'	'0.03'	'149.83'