Experimenten: settings

Resultaten:

wavelet_type	
	Accuracy (%)
Haar	91.07
Biorthogonal11	90.18
Daubechies4	87.50

dwt_features settings		
	nb_dwt	Accuracy (%)
settings_dwt_4	4	85.71
settings_dwt_6	6	90.18
settings_dwt_8	8	91.96
settings_dwt_10	10	91.07
settings_dwt_12	12	93.75
settings_dwt_14	14	89.29
settings_dwt_16	16	89.29
settings_dwt_18	18	91.07
settings_dwt_20	20	87.50

fft_features settings				
	nb_fft	step_fft	window_fft	Accuracy (%)
settings_fft_4	4	1.25	2.50	92.86
settings_fft_8	8	0.63	1.25	91.96
settings_fft_12	12	0.42	0.83	94.64
settings_fft_16	16	0.31	0.63	93.75
settings_fft_20	20	0.25	0.5	91.07
settings_fft_24	24	0.21	0.42	88.39
settings_fft_28	28	0.18	0.36	88.39
settings_fft_32	32	0.16	0.31	88.39
settings_fft_36	36	0.14	0.28	85.71
settings_fft_40	40	0.13	0.25	88.39
settings_fft_60	60	0.08	0.17	87.5
settings_fft_80	80	0.06	0.13	86.61

Conclusie: testen op alle data

Combinatie settings	
	Waarde
Wavelet_type	Haar
nb_dwt	12
nb_fft	12
step_fft	0.42
window_fft	0.83

Accuracy:	91,56 %

Settings_fft_12	
	Waarde
Wavelet_type	Haar
nb_dwt	10
nb_fft	12
step_fft	0.42
window_fft	0.83

Accuracy:	95,00 %

Confusionmatrix

```
 a  b  c  d  e  f  g  h  i  j   <-- classified as
16  0  0  0  0  0  0  0  0  0 |  a = Trapaf
 0 16  0  0  0  0  0  0  0  0 |  b = Lopen
 0  0 14  0  0  1  1  0  0  0 |  c = Trapop
 0  0  0 16  0  0  0  0  0  0 |  d = Tandenpoetsen
 0  0  0  0 15  0  0  1  0  0 |  e = LiftAD
 0  0  0  0  0 16  0  0  0  0 |  f = Fietsen
 0  0  0  0  0  0 16  0  0  0 |  g = Wandelen
 0  0  0  0  3  0  0 13  0  0 |  h = LiftAU
 0  0  0  1  1  0  0  0 14  0 |  i = Nietsdoen
 0  0  0  0  0  0  0  0  0 16 |  j = Springen
```