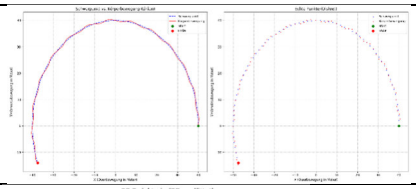
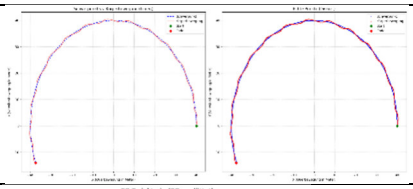
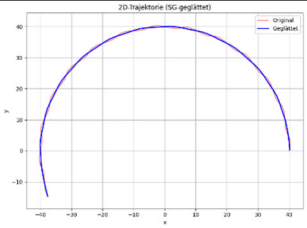
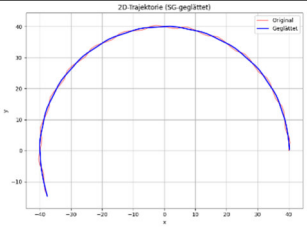
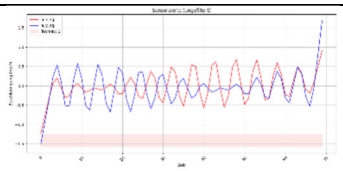
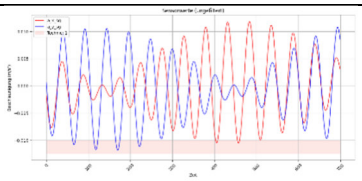
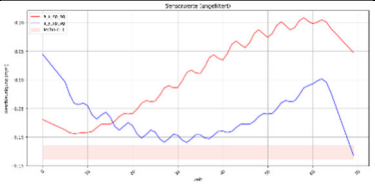
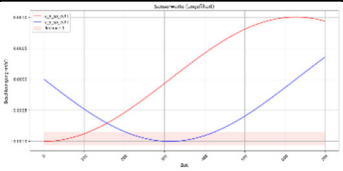
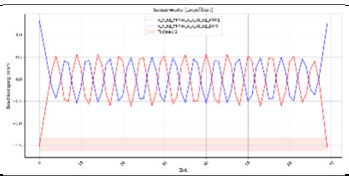
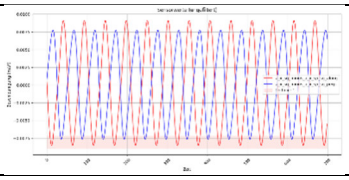
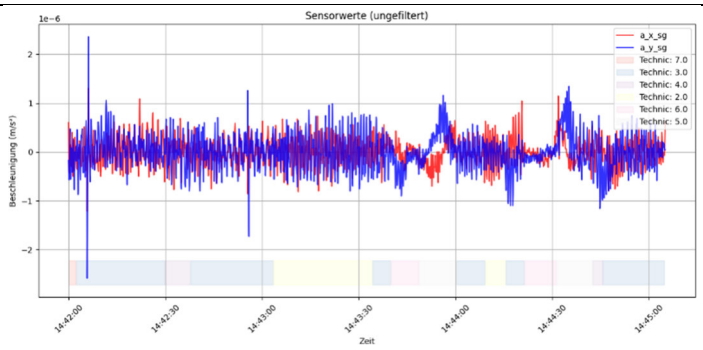
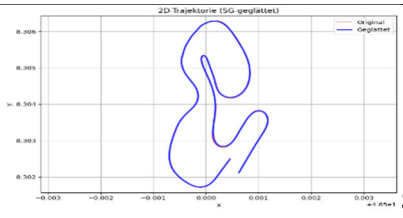
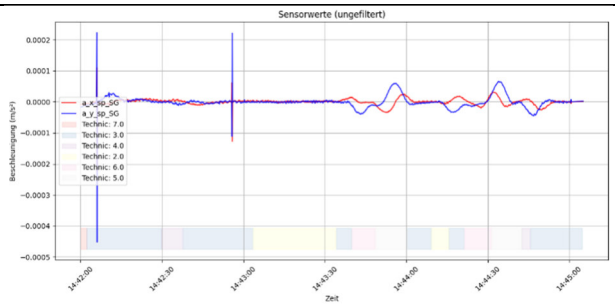
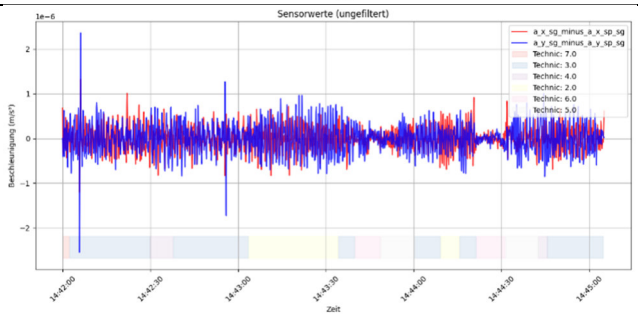
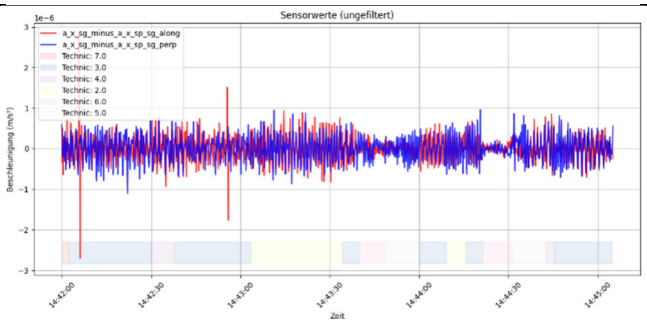
Surrogate

	70 Punkte	700 Punkte
Daten erzeugen a_{mess}		
Schwerpunkts Linie mit Savitzky-Golay y, x_sp Drehwinkel besimmen phi_{sp}	 SG 11/3	 SG91/3
$a_{x,y}$		
Schwerpunkts Beschleunigung a_sp		
$a_{inn} = (a_{x,y} - a_{sp}) * phi_{sp}$		

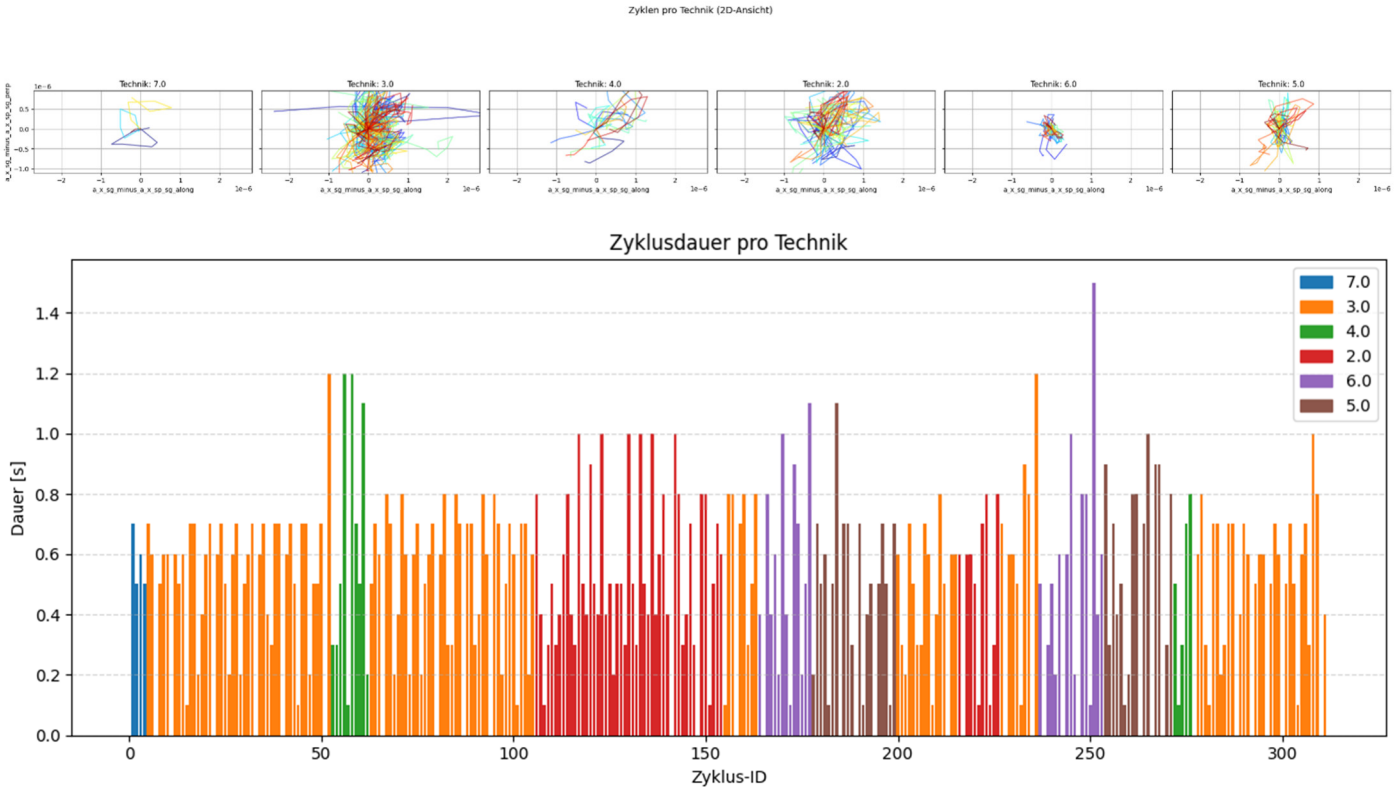
Nadine_2

	
Schwerpunkts Linie mit Savitzky-Golay y, x_sp Drehwinkel besimmen phi_{sp}	 SG91/3
Schwerpunkts Beschleunigung a_sp	
$a_{inn} = (a_{mess} - a_{sp})$	
$a_{inn} = (a_{mess} - a_{sp}) * phi_{sp}$	

Zyklen

Damit elevation Zyklen eingebaut werden können:

```
[73] nadine_2['a_elevation_sg'] = nadine_2['a_elevation_sg']/100000
```



detect_and_plot_cycles_by_technic_time

detect_and_2d_plot_cycles_by_technic_time

```
signal_projection
subtract_column_pairs
Phi_tangents
rotate_acceleration_by_phi_column
```

```
compute_and_plot_derivatives
subtract_column_pairs
Nur_Savitzky_golay
Savitzky_golay
```

```
Process_preprocess(df_lof_2,
                   x_col = "x",
                   y_col = "y",
                   t_col = "t",
                   sp_window = 11,
                   acc_window = 5
                   )
```