

# Results

## Descriptive Statistics

Descriptive Statistics

ego_lane_pos	
Valid	129
Missing	0
Mean	42.361
Std. Deviation	14.215
Minimum	16.790
Maximum	87.890

# Linear Regression

Model Summary - ego\_lane\_pos

Model	R	R <sup>2</sup>	Adjusted R <sup>2</sup>	RMSE	R <sup>2</sup> Change	F Change	df1	df2	p	Durbin-Watson		
										Autocorrelation	Statistic	p
H <sub>0</sub>	0.000	0.000	0.000	14.215	0.000		0	128		0.209	1.576	0.015
H <sub>1</sub>	0.641	0.411	0.382	11.171	0.411	14.207	6	122	< .001	0.265	1.454	0.002

ANOVA

Model		Sum of Squares	df	Mean Square	F	p
H <sub>1</sub>	Regression	10638.114	6	1773.019	14.207	< .001
	Residual	15225.826	122	124.802		
	Total	25863.940	128			

Note. The intercept model is omitted, as no meaningful information can be shown.

Coefficients

Model		Unstandardized B	Standard Error	Standardized <sup>a</sup> β	t	p	95% CI		Collinearity Statistics	
							Lower	Upper	Tolerance	VIF
H <sub>0</sub>	(Intercept)	42.361	1.252		33.847	< .001	39.885	44.838		
H <sub>1</sub>	(Intercept)	38.914	4.844		8.033	< .001	29.324	48.503		
	curve_radius	-0.053	0.052	-0.146	-1.023	0.309	-0.155	0.050	0.237	4.221
	meas_v_gps	0.025	0.086	0.027	0.294	0.770	-0.145	0.196	0.578	1.731
	km_Leben	4.306×10 <sup>-6</sup>	8.016×10 <sup>-6</sup>	0.038	0.537	0.592	-1.156×10 <sup>-5</sup>	2.017×10 <sup>-5</sup>	0.989	1.011
	curve_sight	11.863	1.438	0.748	8.247	< .001	9.015	14.710	0.587	1.704
	traffic_oncoming (1)	1.452	2.703		-1.536	0.127	-9.503	1.198	0.936	1.068
	curve_centerline (1)	11.621	3.182		-4.595	< .001	-20.921	-8.321	0.395	2.534

<sup>a</sup> Standardized coefficients can only be computed for continuous predictors.

Part And Partial Correlations

Model		Partial	Part
H <sub>1</sub>	curve_radius	-0.092	-0.071
	meas_v_gps	0.027	0.020
	km_Leben	0.049	0.037
	curve_sight	0.598	0.573
	traffic_oncoming	0.138	0.107
	curve_centerline	0.384	0.319

Note. The intercept model is omitted, as no meaningful information can be shown.

Collinearity Diagnostics

Model	Dimension	Eigenvalue	Condition Index	Variance Proportions						
				(Intercept)	curve_radius	meas_v_gps	skm_Leben	curve_sight	traffic_oncoming	centerline (1)
H <sub>1</sub>	1	4.857	1.000	0.002	0.002	0.001	0.011	0.009	0.007	0.006
	2	0.899	2.324	0.000	0.002	0.000	0.003	0.003	0.694	0.037
	3	0.627	2.783	0.003	0.002	0.001	0.394	0.043	0.133	0.066
	4	0.301	4.016	0.029	0.005	0.020	0.542	0.078	0.047	0.079
	5	0.234	4.561	0.000	0.001	0.000	0.013	0.727	0.092	0.335
	6	0.066	8.554	0.152	0.579	0.000	0.036	0.095	0.026	0.343
	7	0.016	17.458	0.814	0.409	0.978	0.000	0.046	0.001	0.133

Note. The intercept model is omitted, as no meaningful information can be shown.

Casewise Diagnostics

Case Number	Std. Residual	ego_lane_pos	Predicted Value	Residual	Cook's Distance
.					

Note. No cases where |Standard residual| > 3

Residuals Statistics

	Minimum	Maximum	Mean	SD	N
Predicted Value	29.939	64.266	42.361	9.116	129
Residual	-24.474	27.869	-8.908×10 <sup>-17</sup>	10.907	129
Std. Predicted Value	-1.363	2.403	2.415×10 <sup>-16</sup>	1.000	129
Std. Residual	-2.271	2.583	0.001	1.004	129

