

Linear Regression Results

The REG Procedure

Model: Linear_Regression_Model

Dependent Variable: Odhadovaná hodnota (y)

Number of Observations Read	12
Number of Observations Used	12

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	4	256503605	64125901	38.16	<.0001
Error	7	11762195	1680314		
Corrected Total	11	268265800			

Root MSE	1296.26907	R-Square	0.9562
Dependent Mean	148620	Adj R-Sq	0.9311
Coeff Var	0.87220		

Parameter Estimates									
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t	Heteroscedasticity Consistent			Tolerance
						Standard Error	t Value	Pr > t	
Intercept	1	100538	11827	8.50	<.0001	9609.33432	10.46	<.0001	.
Podlahová plocha	1	13.65247	5.23953	2.61	0.0351	4.33902	3.15	0.0162	0.68164
Počet kancelárií (x2)	1	4911.23557	591.23496	8.31	<.0001	536.74154	9.15	<.0001	0.72104
Počet vchodov (x3)	1	802.49123	566.03767	1.42	0.1992	436.70196	1.84	0.1087	0.85045
Vek_ (x4)	1	-7.62051	16.42189	-0.46	0.6567	9.16493	-0.83	0.4331	0.98887

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Parameter Estimates				
Variance Inflation	95% Confidence Limits		Heteroscedasticity Consistent 95% Confidence Limits	
0	72571	128505	77815	123260
1.46704	1.26295	26.04199	3.39231	23.91263
1.38688	3513.18705	6309.28409	3642.04352	6180.42762
1.17585	-535.97518	2140.95764	-230.14482	1835.12727
1.01125	-46.45211	31.21108	-29.29212	14.05109

Correlation of Estimates					
Variable	Intercept	Podlahová plocha (x1)	Počet kancelárií (x2)	Počet vchodov (x3)	Vek_ (x4)
Intercept	1.0000	-0.9886	0.3715	0.1979	0.0094
Podlahová plocha (x1)	-0.9886	1.0000	-0.4583	-0.2717	-0.0692
Počet kancelárií (x2)	0.3715	-0.4583	1.0000	-0.1196	0.1005
Počet vchodov (x3)	0.1979	-0.2717	-0.1196	1.0000	0.0146
Vek_ (x4)	0.0094	-0.0692	0.1005	0.0146	1.0000

Collinearity Diagnostics							
Number	Eigenvalue	Condition Index	Proportion of Variation				
			Intercept	Podlahová plocha (x1)	Počet kancelárií (x2)	Počet vchodov (x3)	Vek_ (x4)
1	4.64296	1.00000	0.00004555	0.00003887	0.00229	0.00320	0.01030
2	0.25483	4.26848	0.00007548	0.00007248	0.01594	0.01895	0.89757
3	0.05912	8.86211	0.00068061	0.00051077	0.19453	0.87250	0.00484
4	0.04263	10.43562	0.00637	0.00381	0.60886	0.04819	0.08550
5	0.00046189	100.25966	0.99283	0.99556	0.17837	0.05715	0.00178

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Collinearity Diagnostics (intercept adjusted)						
Number	Eigenvalue	Condition Index	Proportion of Variation			
			Podlahová plocha (x1)	Počet kancelárií (x2)	Počet vchodov (x3)	Vek_ (x4)
1	1.78778	1.00000	0.14731	0.14192	0.12290	0.00188
2	1.00733	1.33221	0.00886	0.00480	0.00400	0.95759
3	0.73510	1.55950	0.04872	0.23224	0.81616	0.00704
4	0.46980	1.95075	0.79510	0.62103	0.05694	0.03350

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Heteroscedasticity Consistent Covariance of Estimates					
Variable	Intercept	Podlahová plocha (x1)	Počet kancelárií (x2)	Počet vchodov (x3)	Vek_ (x4)
Intercept	92339306.024	-41586.01	2600179.587	46635.287901	51716.513701
Podlahová plocha (x1)	-41586.01	18.827120638	-1247.706516	-0.027709713	-24.36233033
Počet kancelárií (x2)	2600179.587	-1247.706516	288091.47633	-178830.2574	946.93098943
Počet vchodov (x3)	46635.287901	-0.027709713	-178830.2574	190708.60075	874.64398153
Vek_ (x4)	51716.513701	-24.36233033	946.93098943	874.64398153	83.995886047

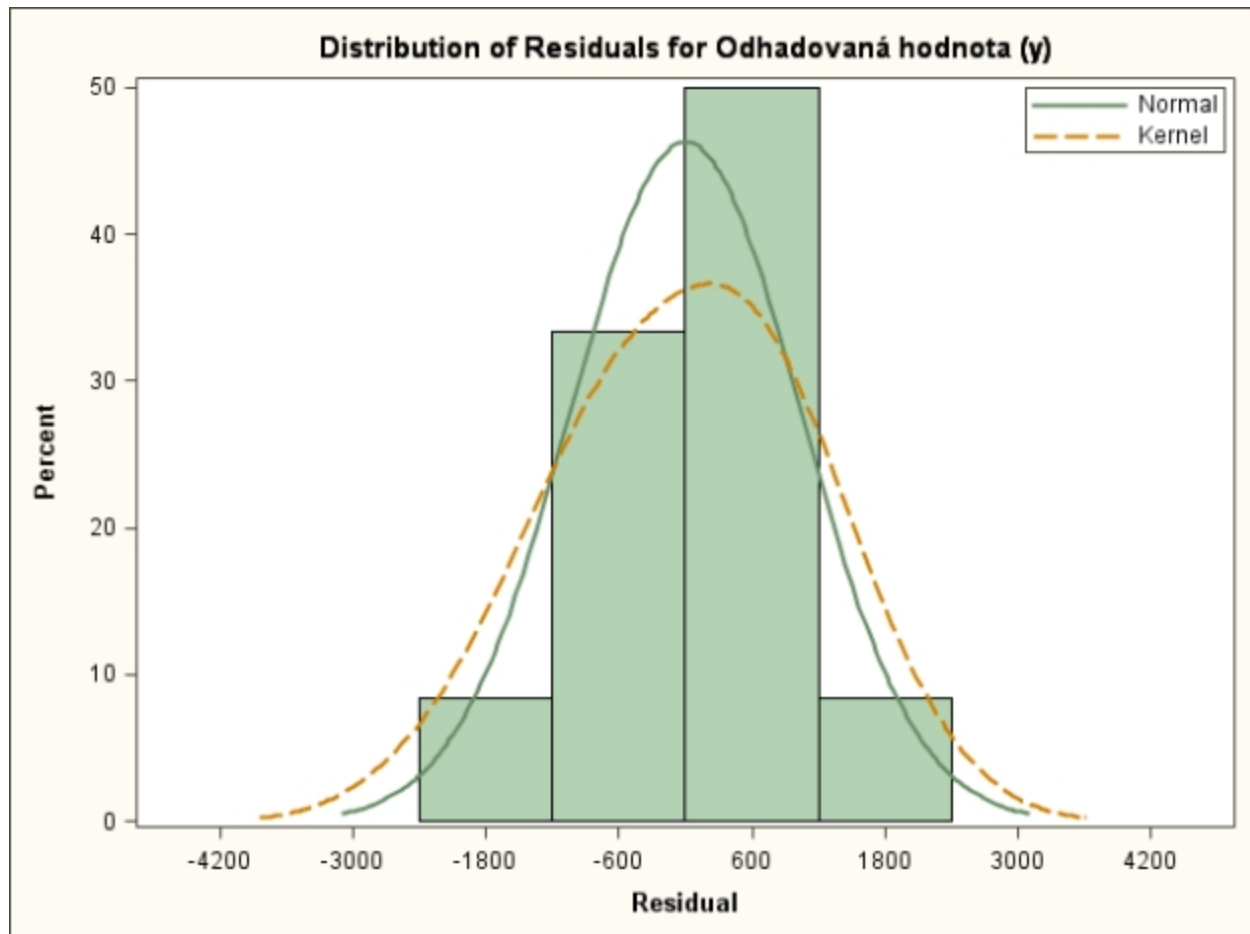
Test of First and Second Moment Specification		
DF	Chi-Square	Pr > ChiSq
13	8.46	0.8125

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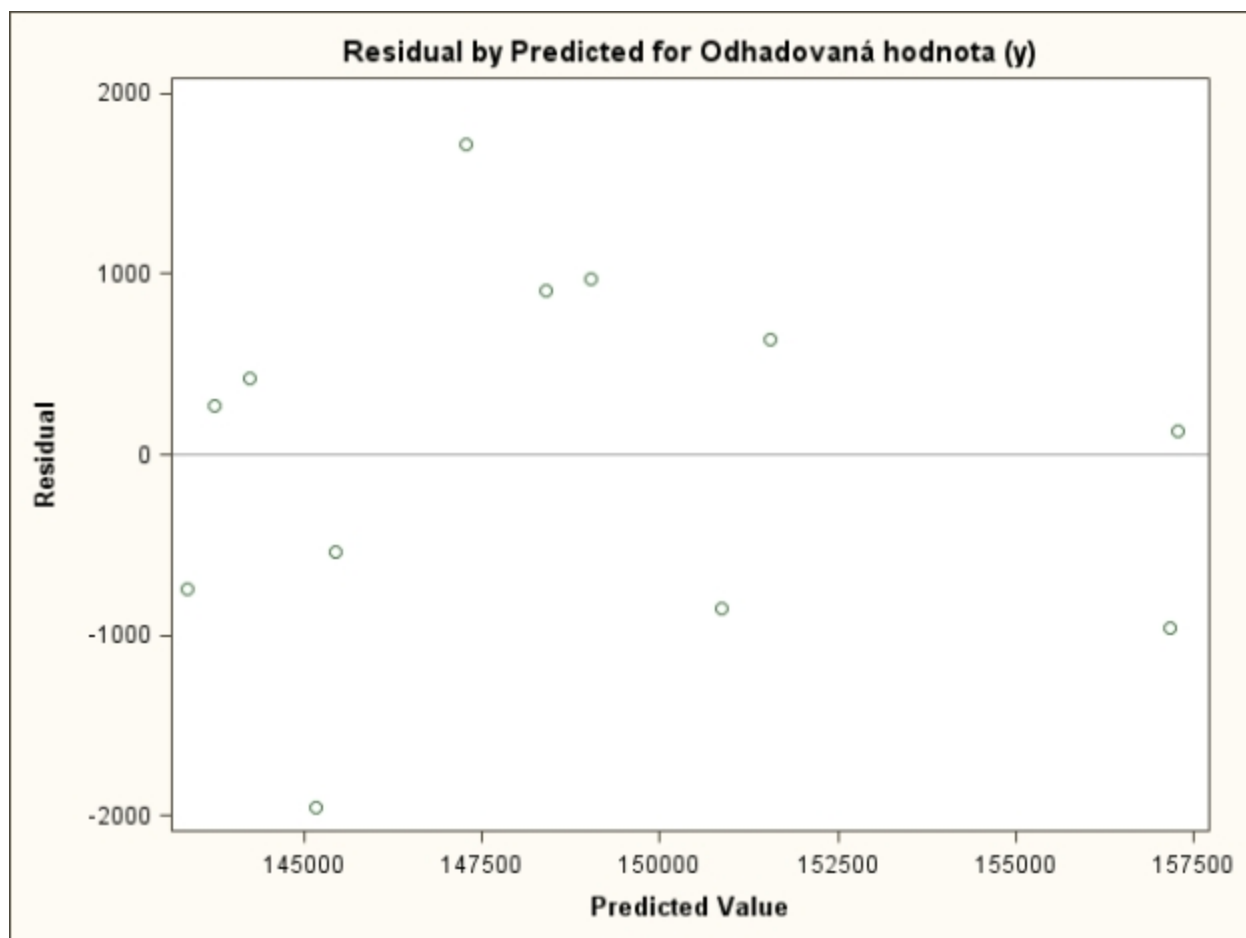


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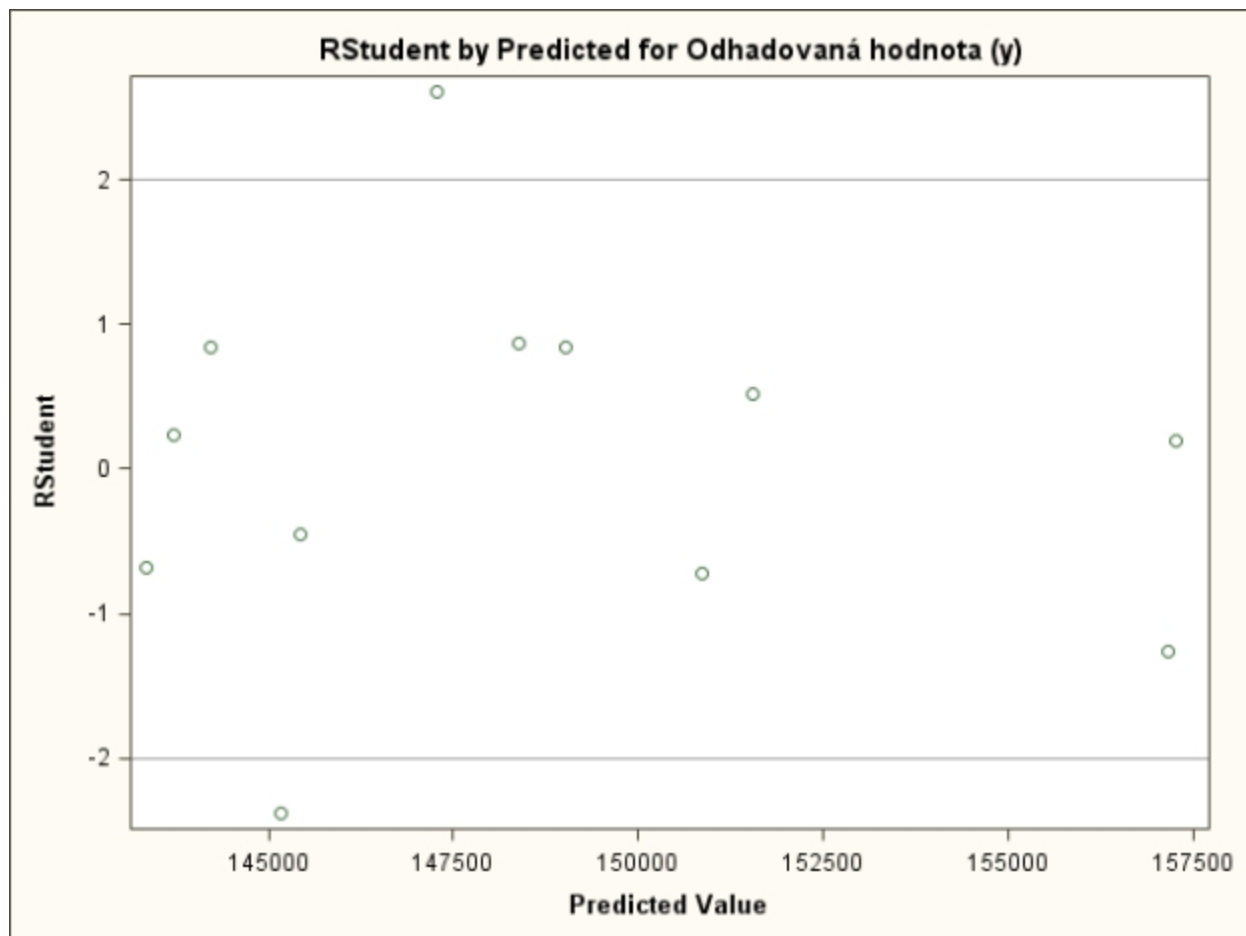


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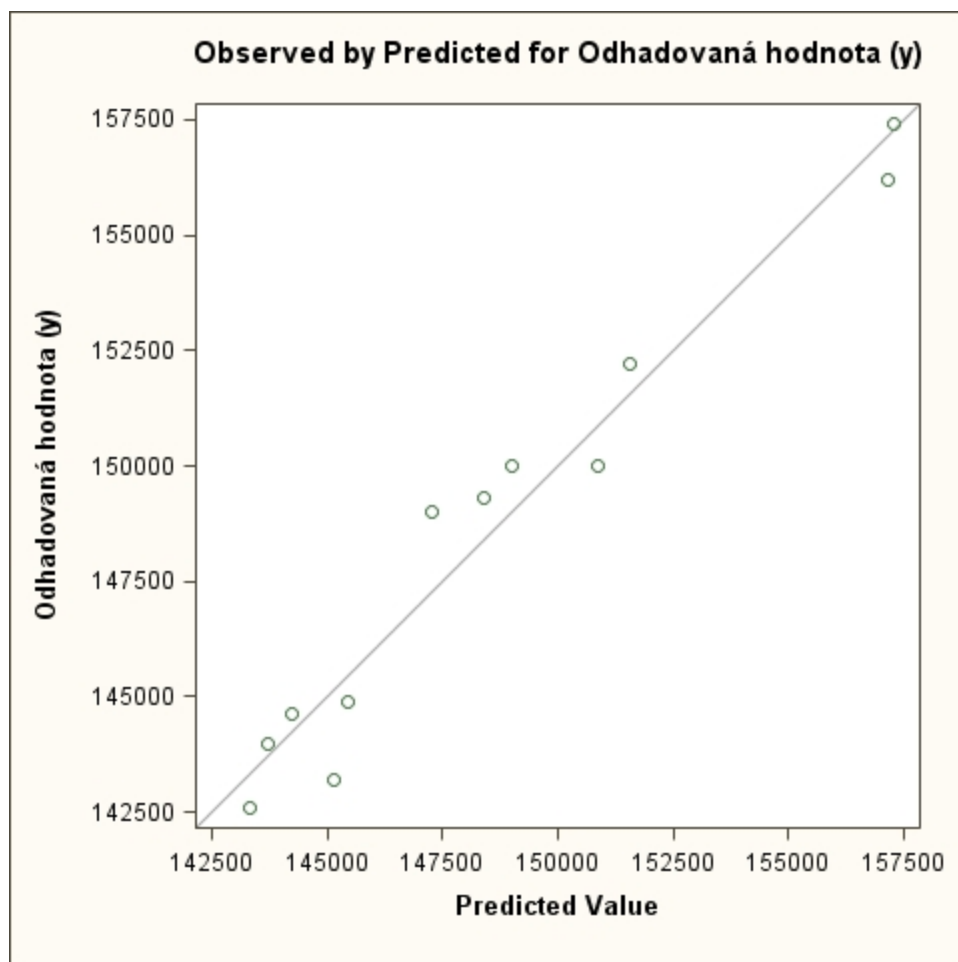


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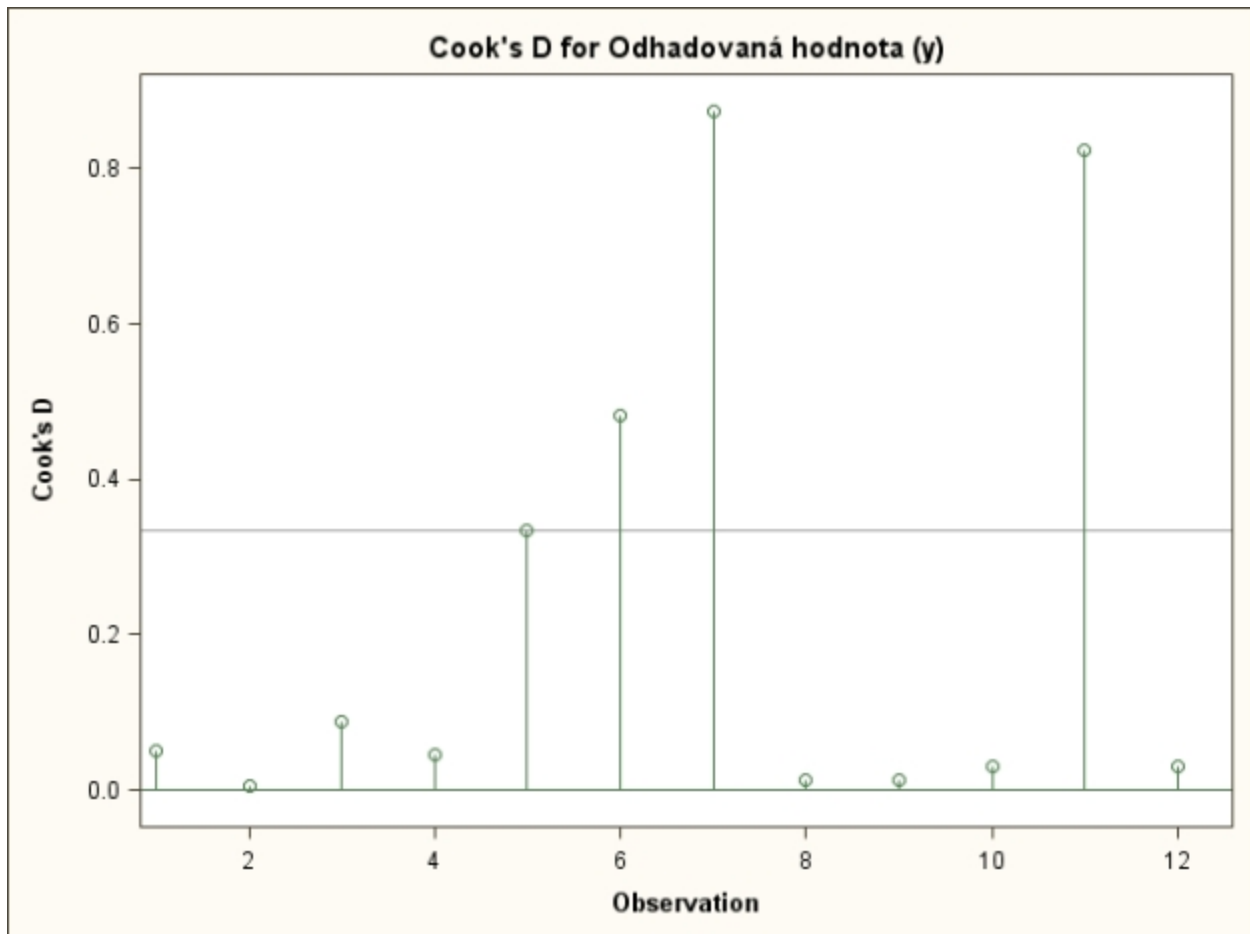


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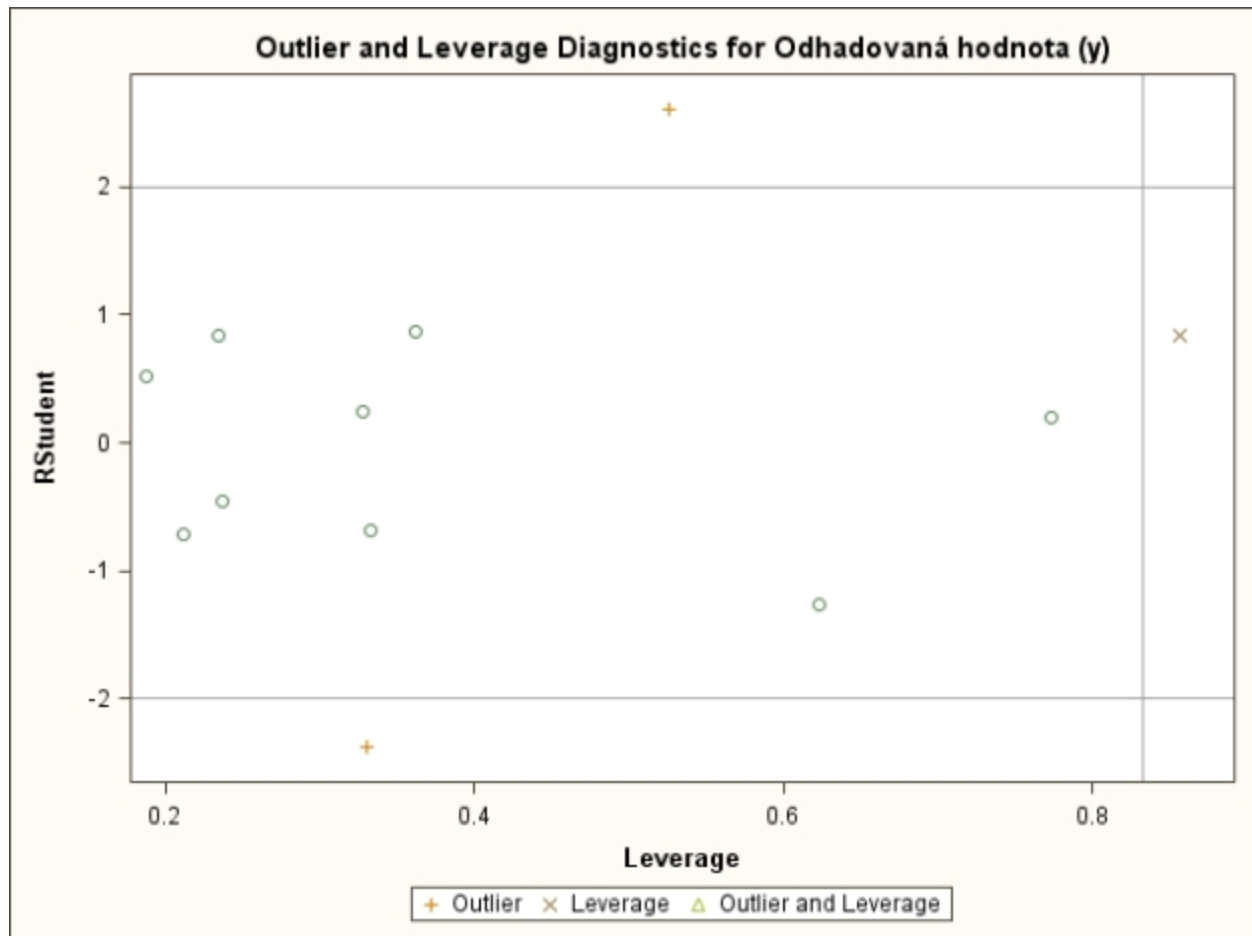


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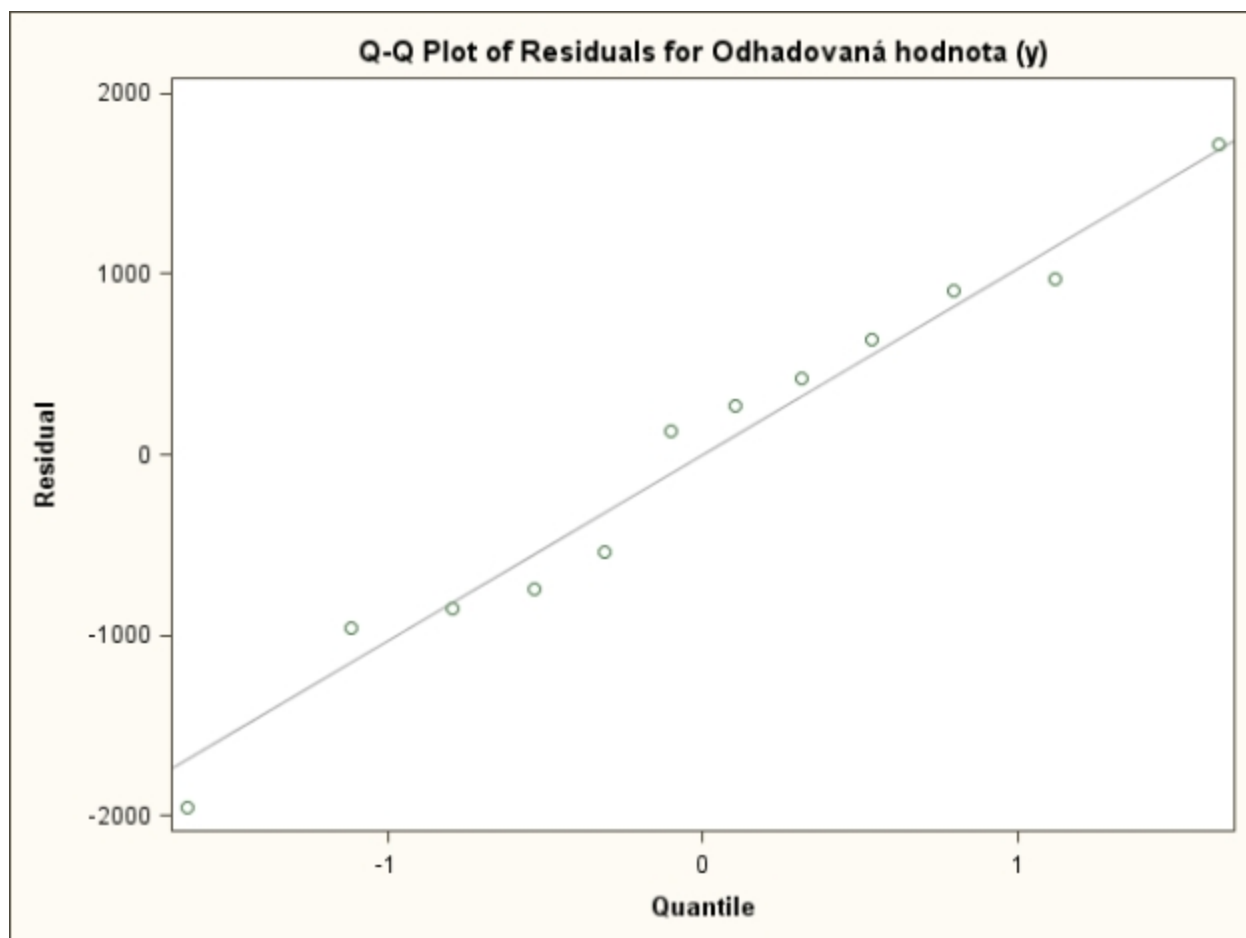


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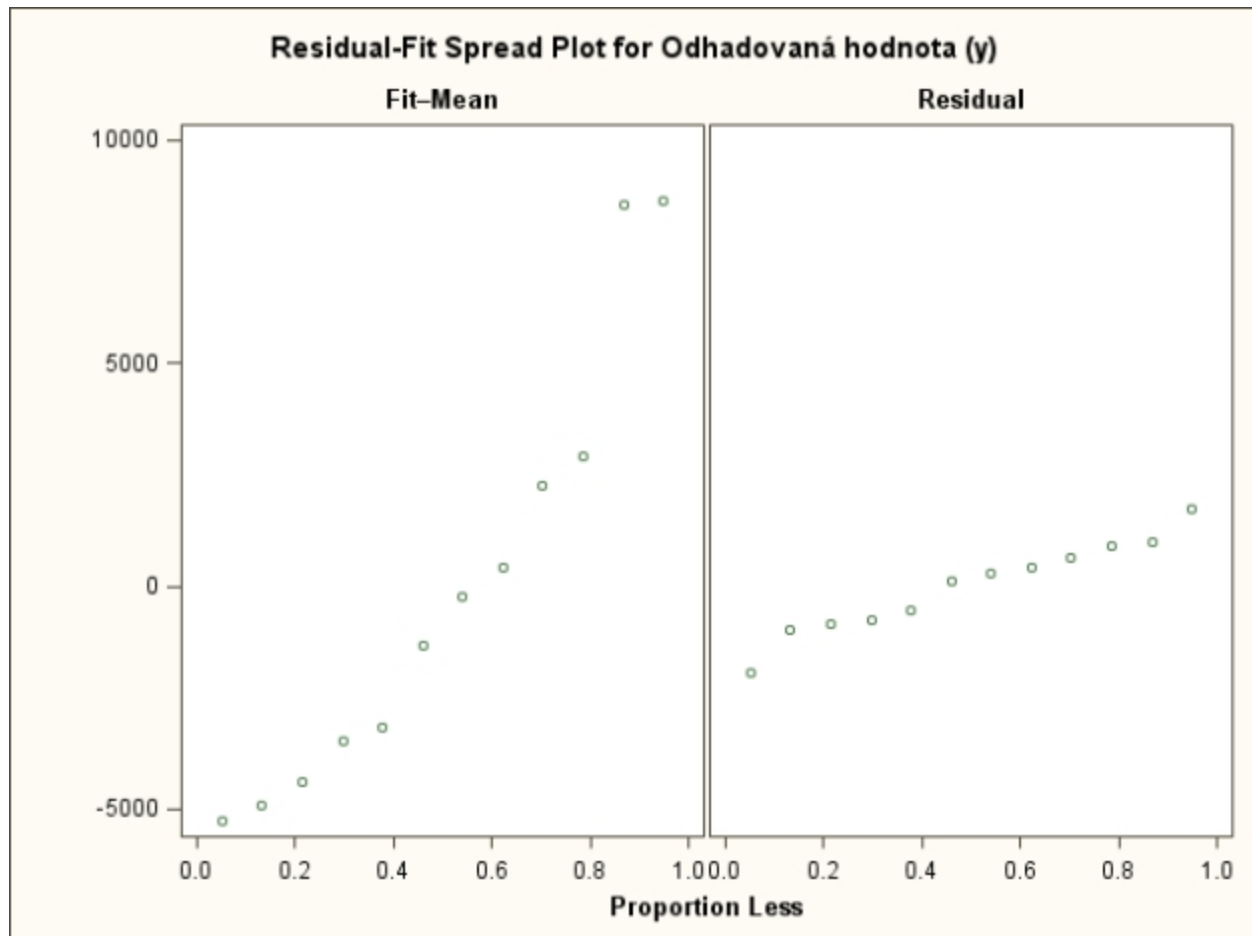


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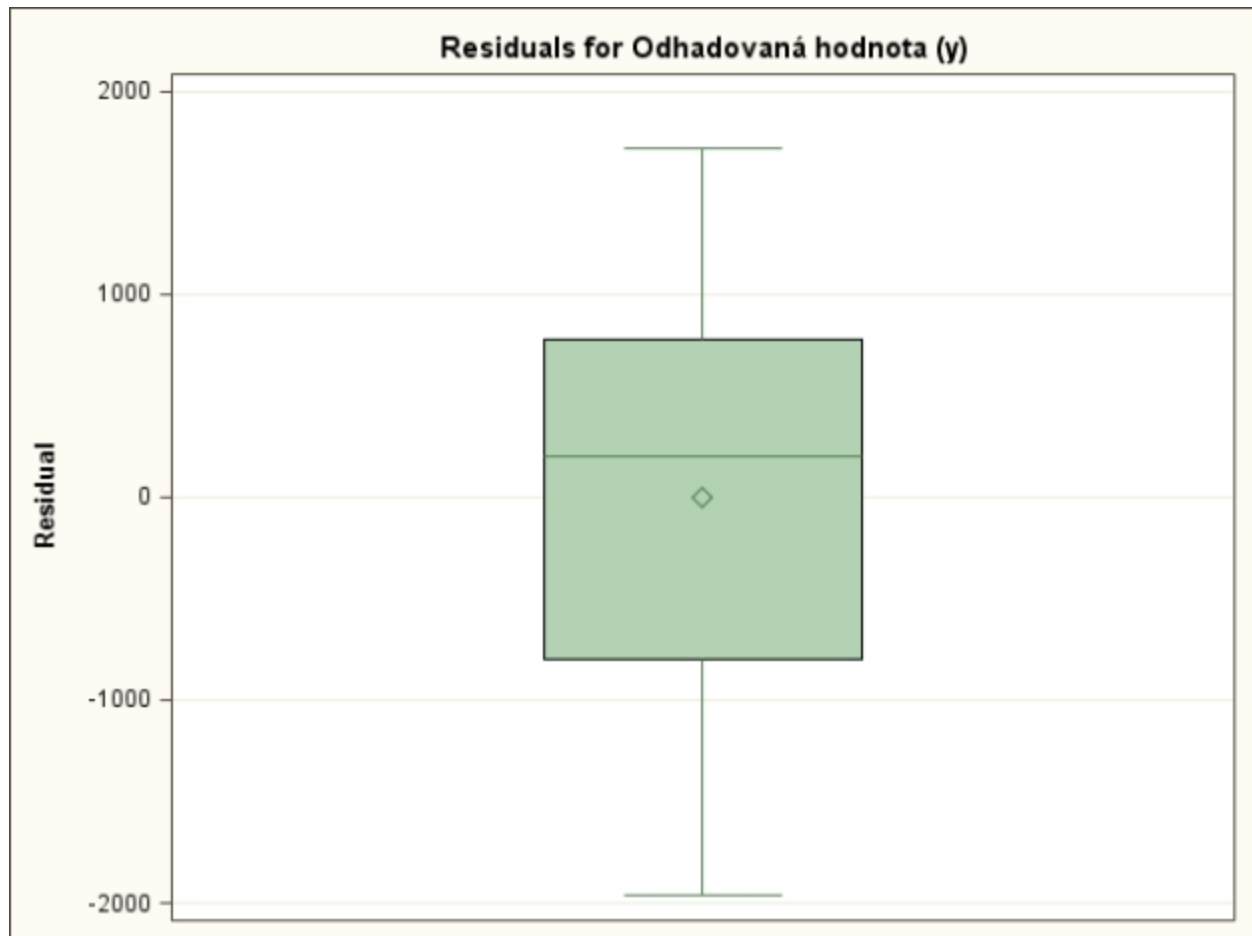


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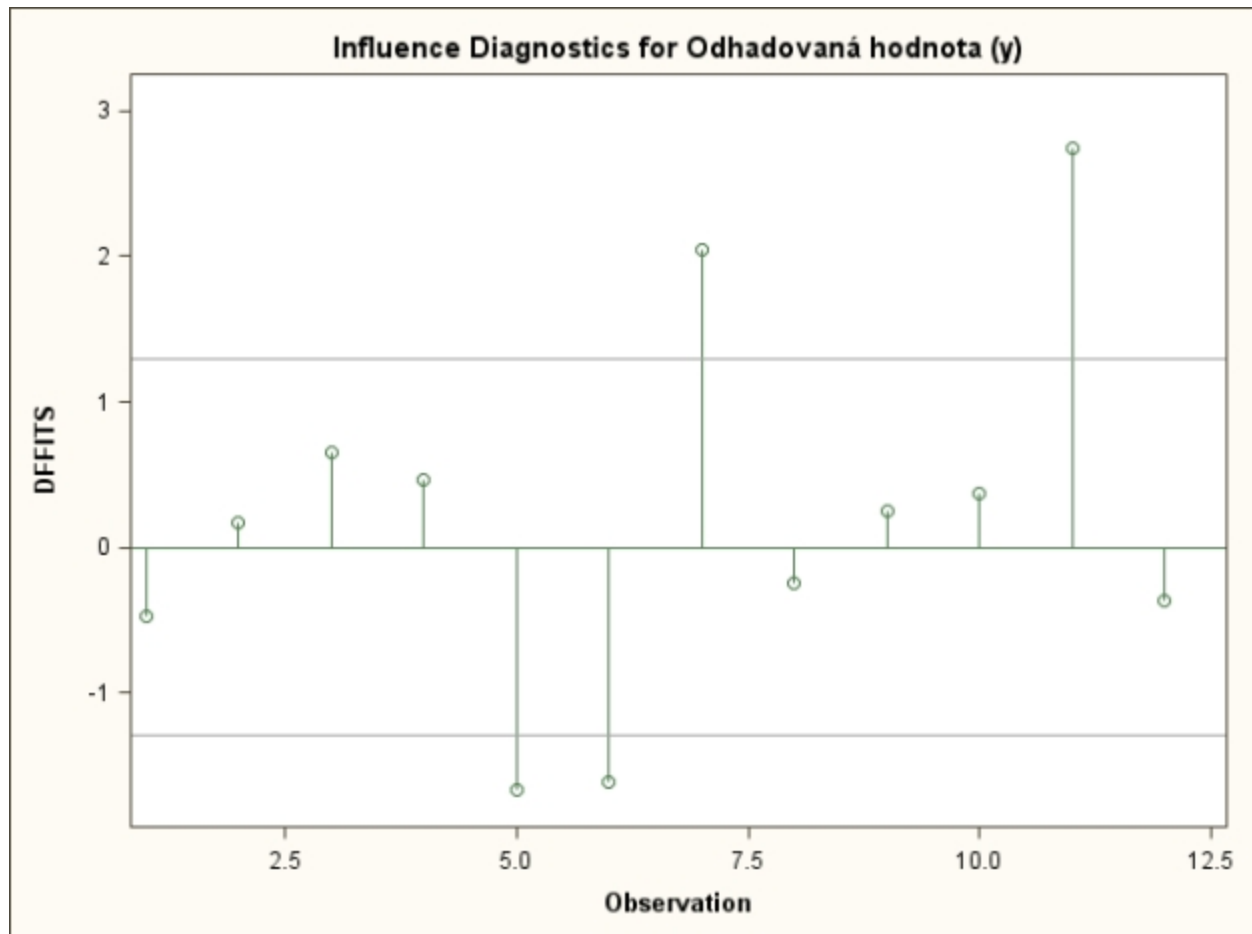


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