Appendix B

Simple Linear Regression Noise Production Model DTC 2011

Simple linear regression results:
Dependent Variable: VAR4
Independent Variable: VAR7
VAR4 = 79.99726 – 8.027459 VAR7
Sample size: 367
R (correlation coefficient) = -0.05
R-sq = 0.0025044156
Estimate of error standard deviation: 6.0985675

Parameter estimates:

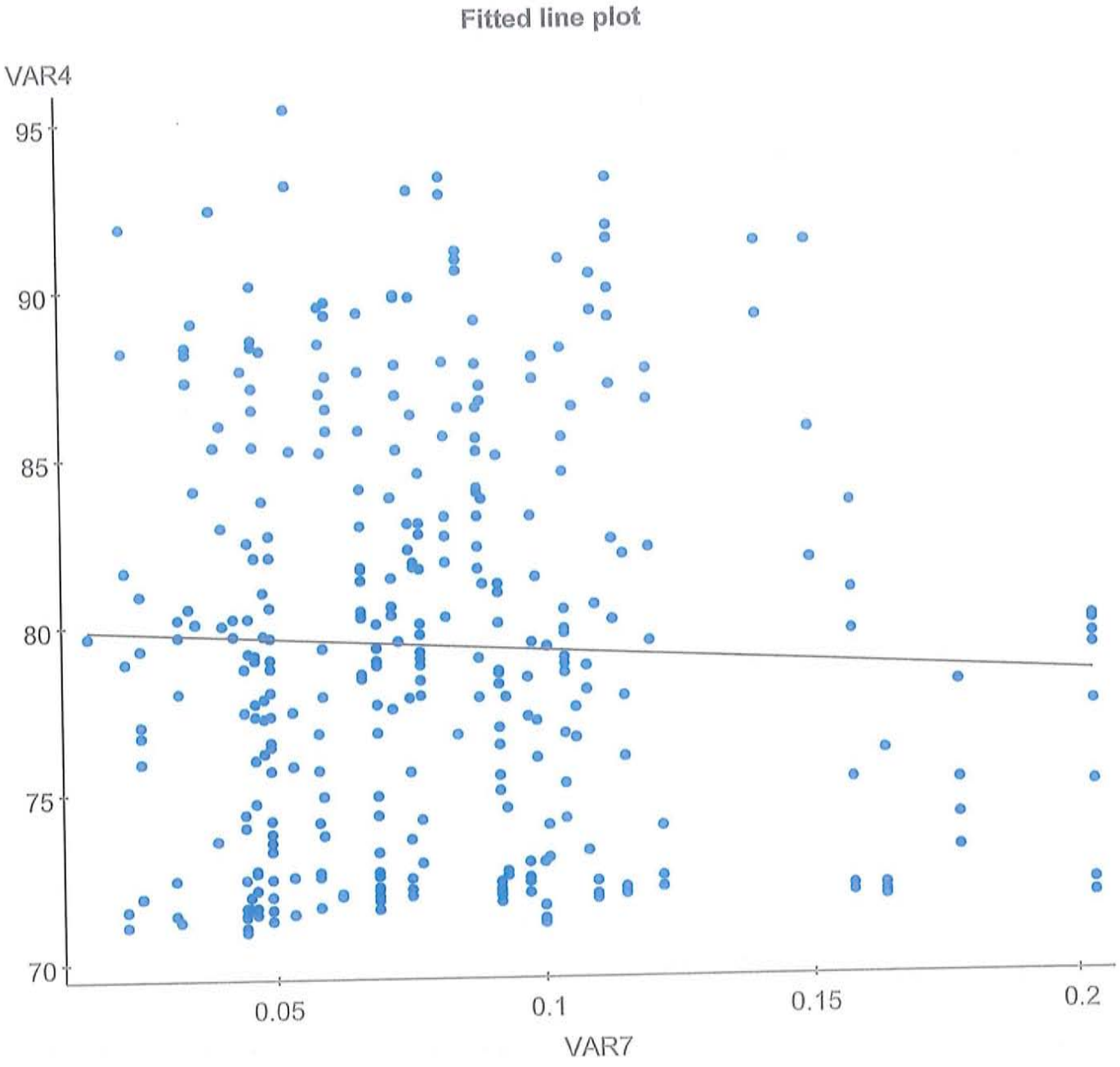
Parameter	Estimate	Std.Err.	DF	95% L. Limit	9% U. Limit
Intercept	79.99726	0.7453987	365	78.53144	81.46307
Slope	-8.027459	8.385596	365	-24.517605	8.4626875

Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.042	79.6601	0.45265993	(78.76996, 80.550255)	(67.63438, 91.68584)


Fitted line plot
VAR4
95
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0.05
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VAR7

Simple linear regression results:
Dependent Variable: VAR4
Independent Variable: VAR7
VAR4 = 79.99726 – 8.027459 VAR7
Sample size: 367
R (correlation coefficient) = -0.05
R-sq = 0.0025044156
Estimate of error standard deviation: 6.0985675

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Intercept	79.99726	0.7453987	365	78.53144	81.46307
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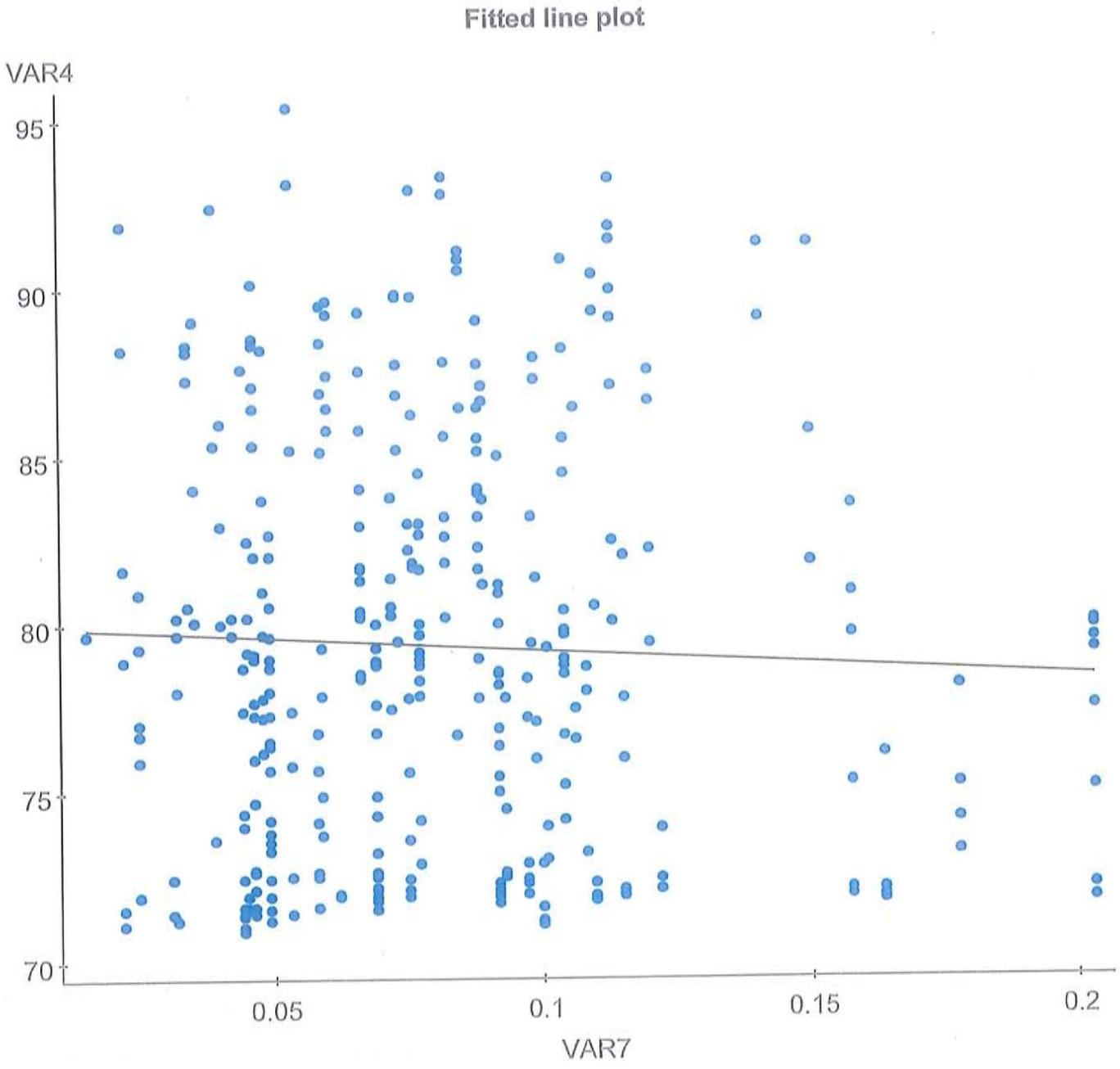
Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.077	79.379.14	0.31959894	(78.750656, 80.00769)	(67.36995, 91.38834)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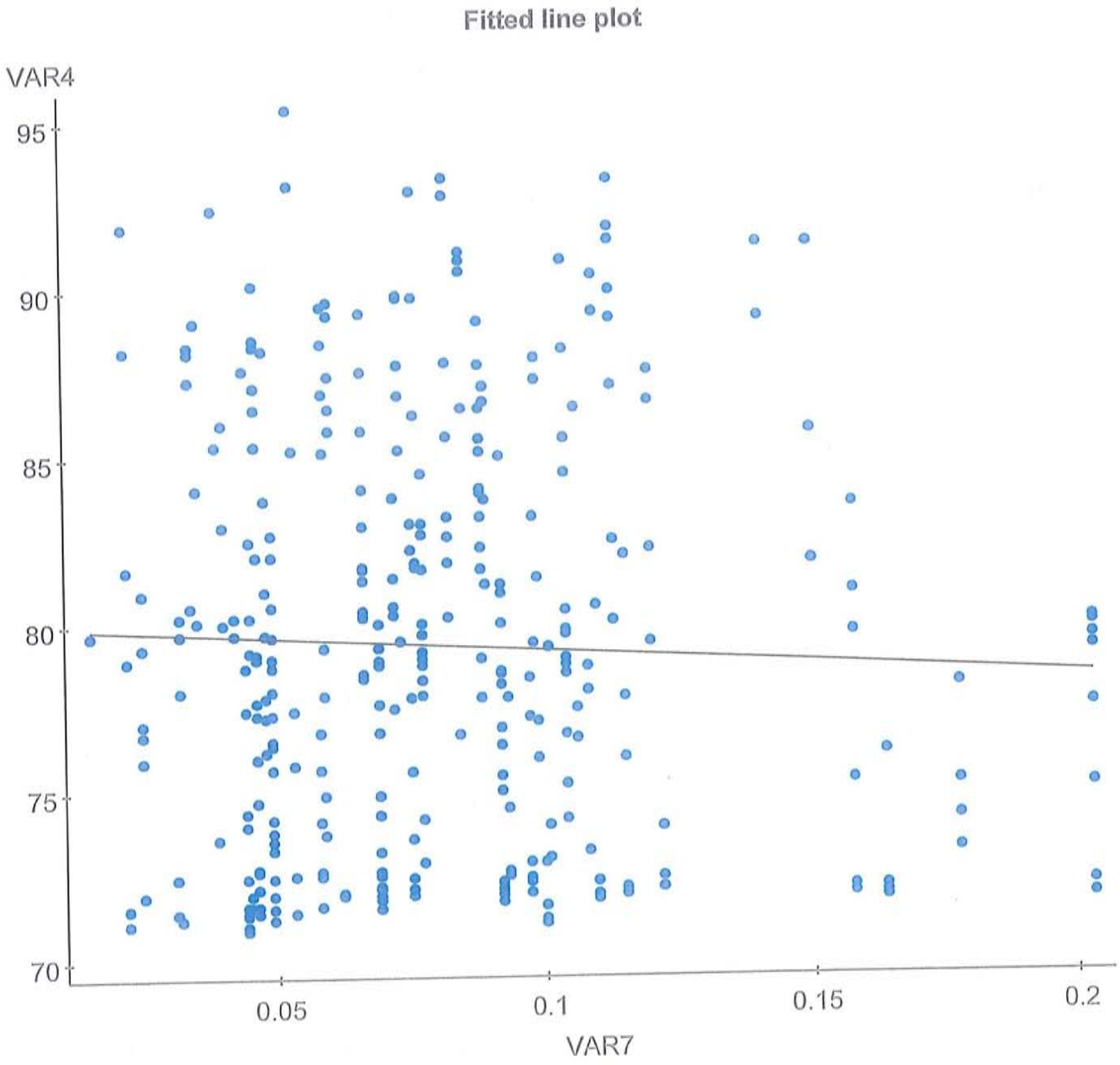
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.097	79.2186	0.3475269	(78.53519, 79.902)	(67.2064, 91.23079)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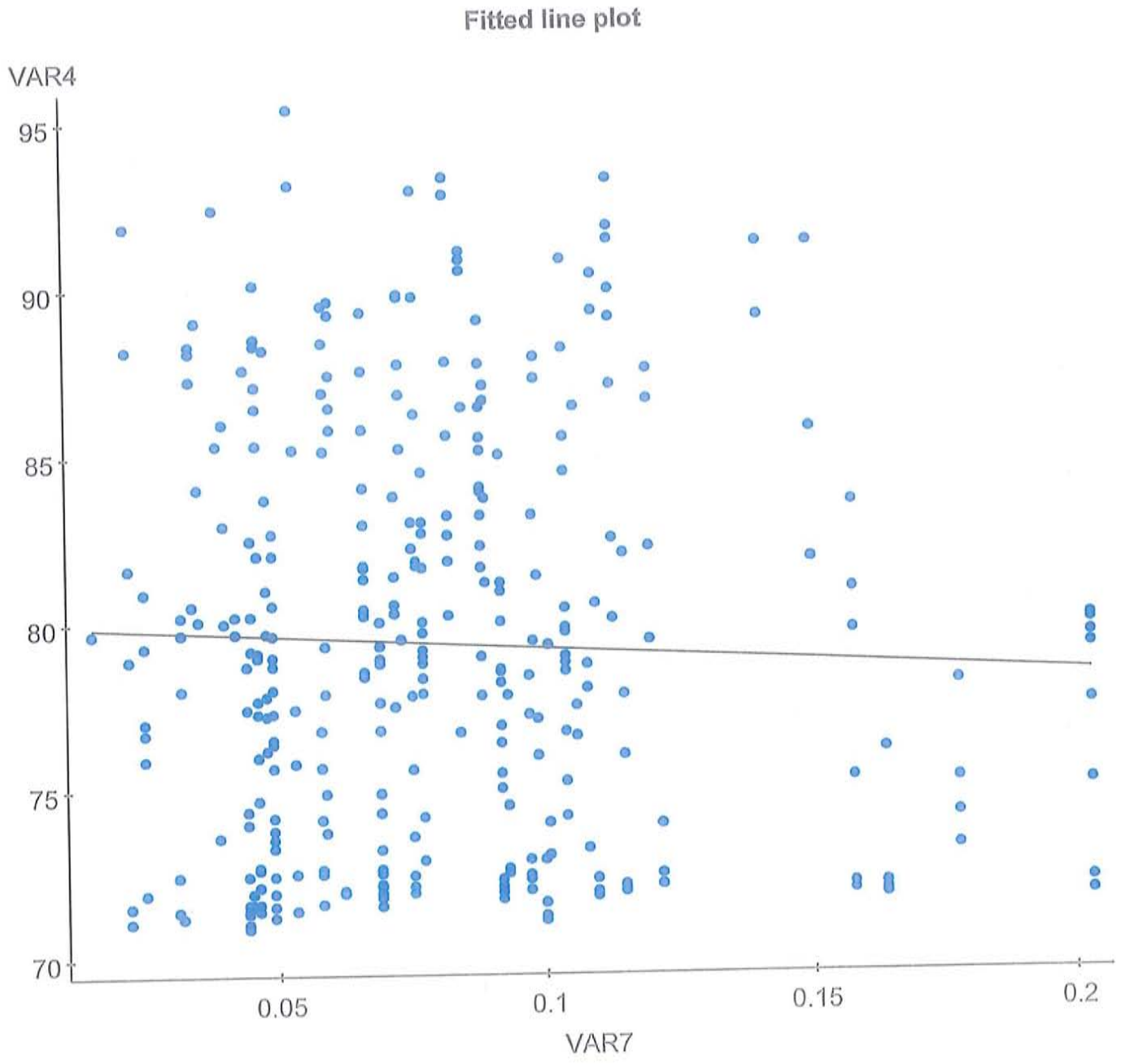
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.046	79.628	0.42946228	(78.78346, 80.47253)	(67.60556, 91.65044)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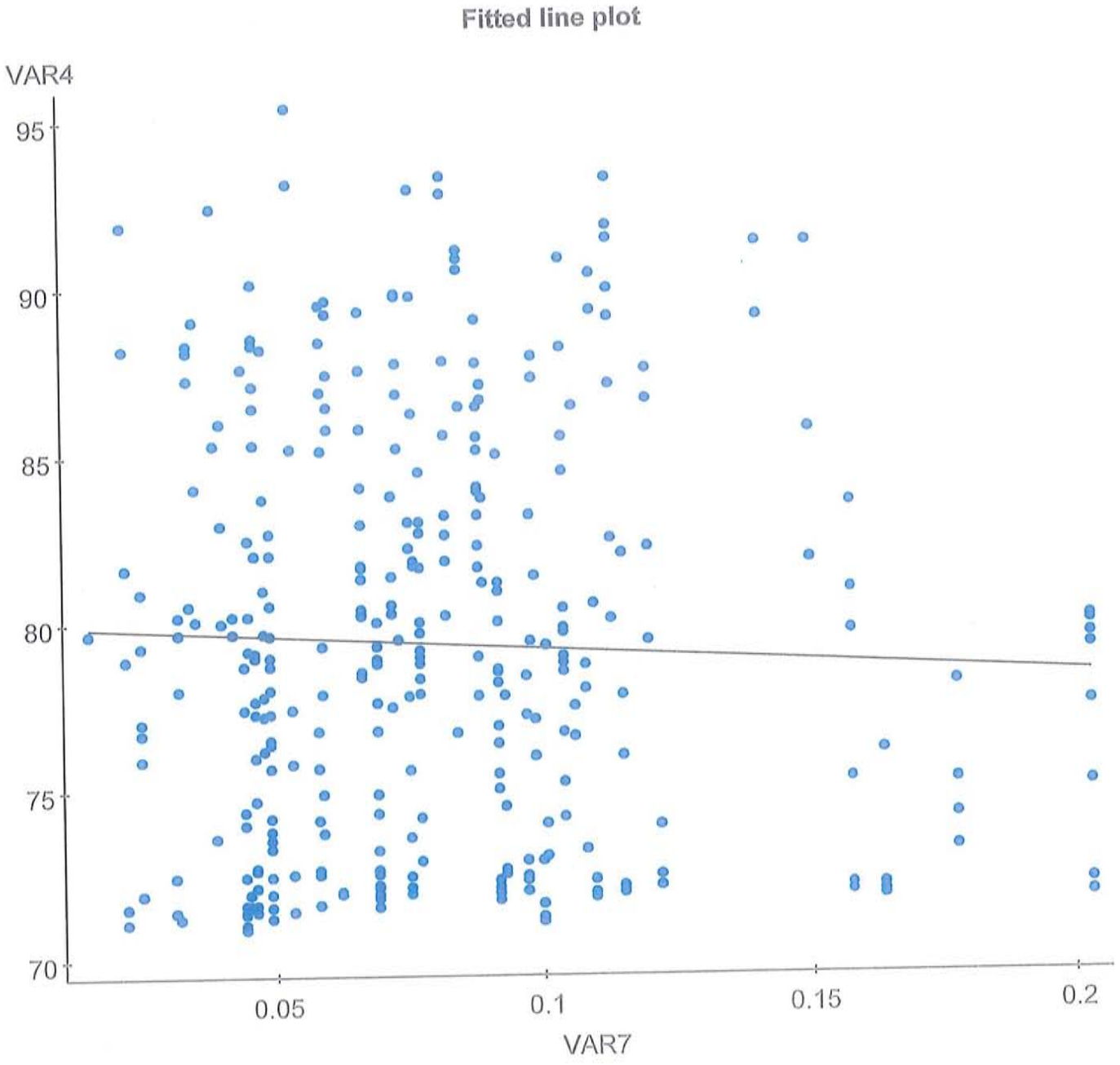
Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.073	79.411255	0.32429576	(78.77353, 80.04898)	(67.40157, 91.42094)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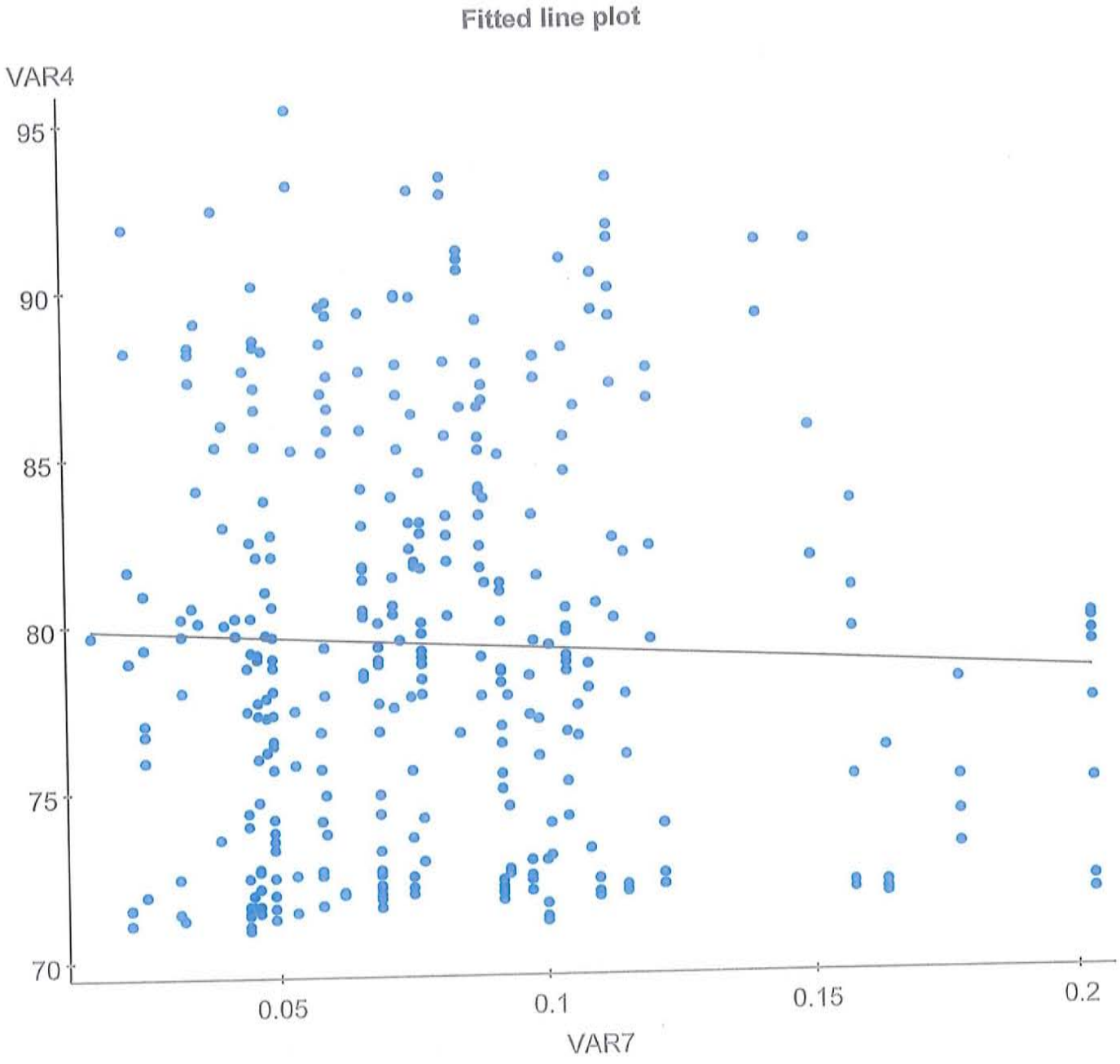
Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.04	79.67616	0.46473265	(78.76227, 80.59005)	(67.64865, 91.70367)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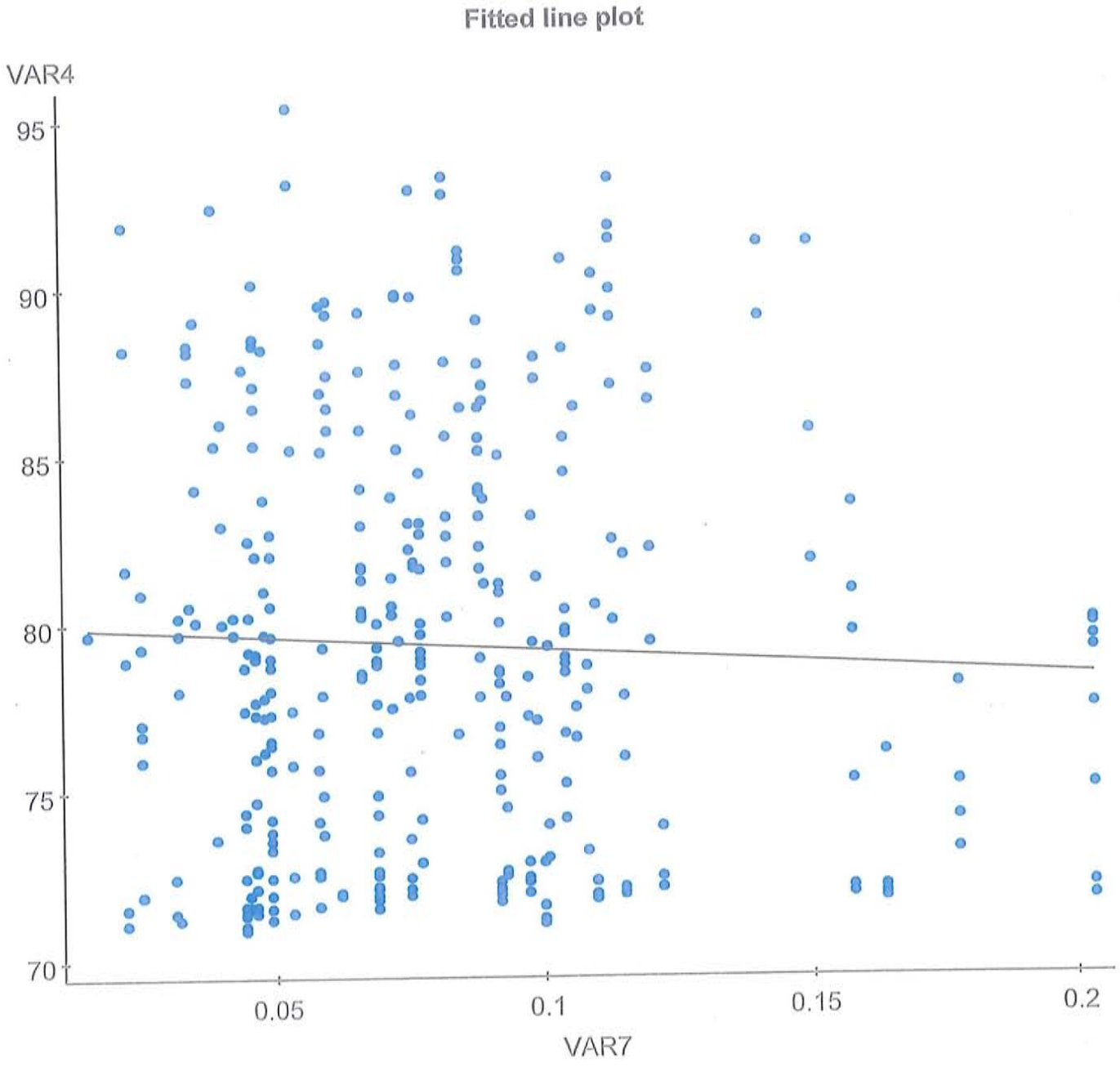
Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.15	78.79314	0.66498834	(77.48545, 80.10083)	(66.72932, 90.856964)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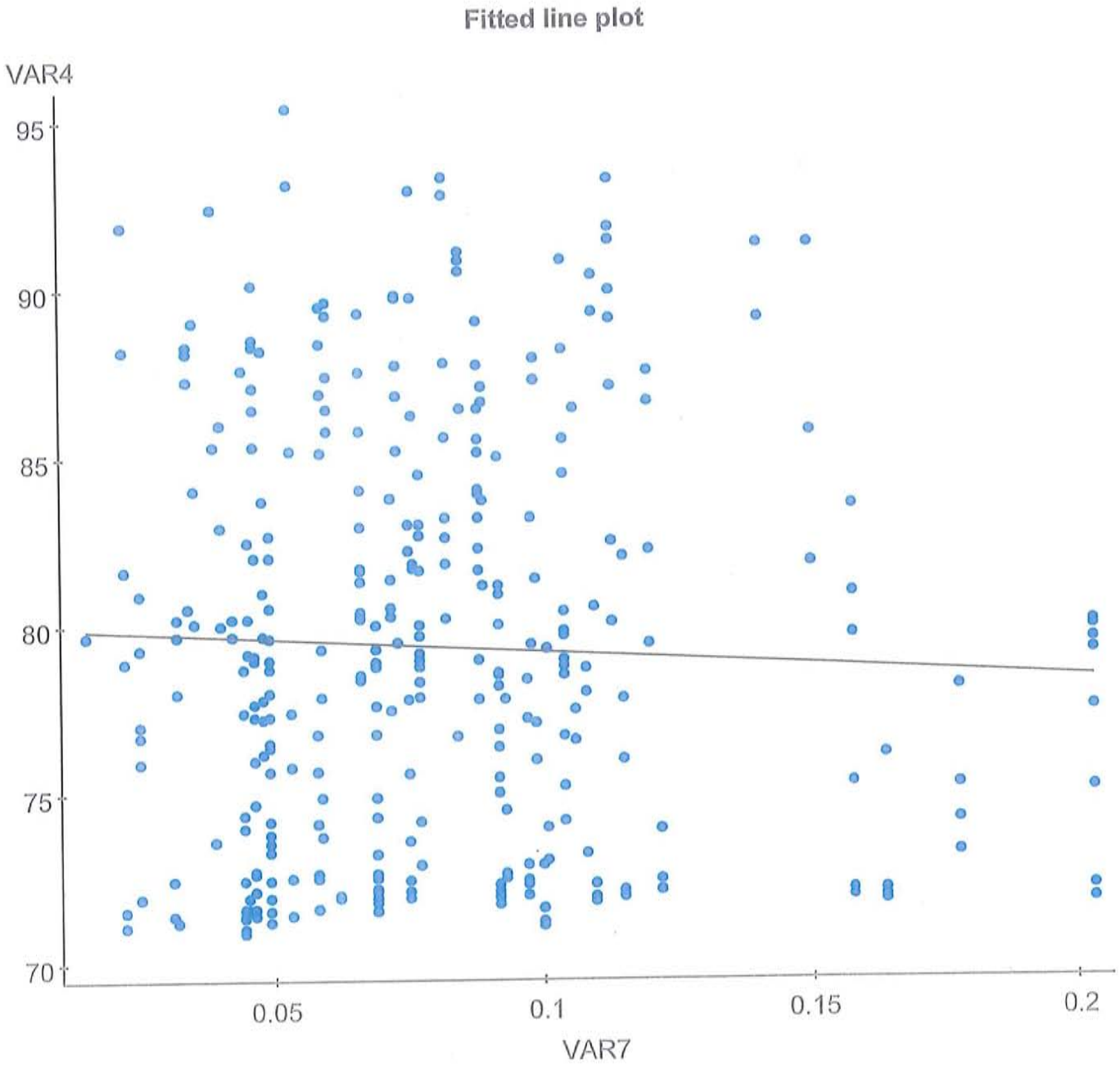
0.113	79.09016	0.41974208	(78.26474, 79.91557)	(67.069046, 91.11127)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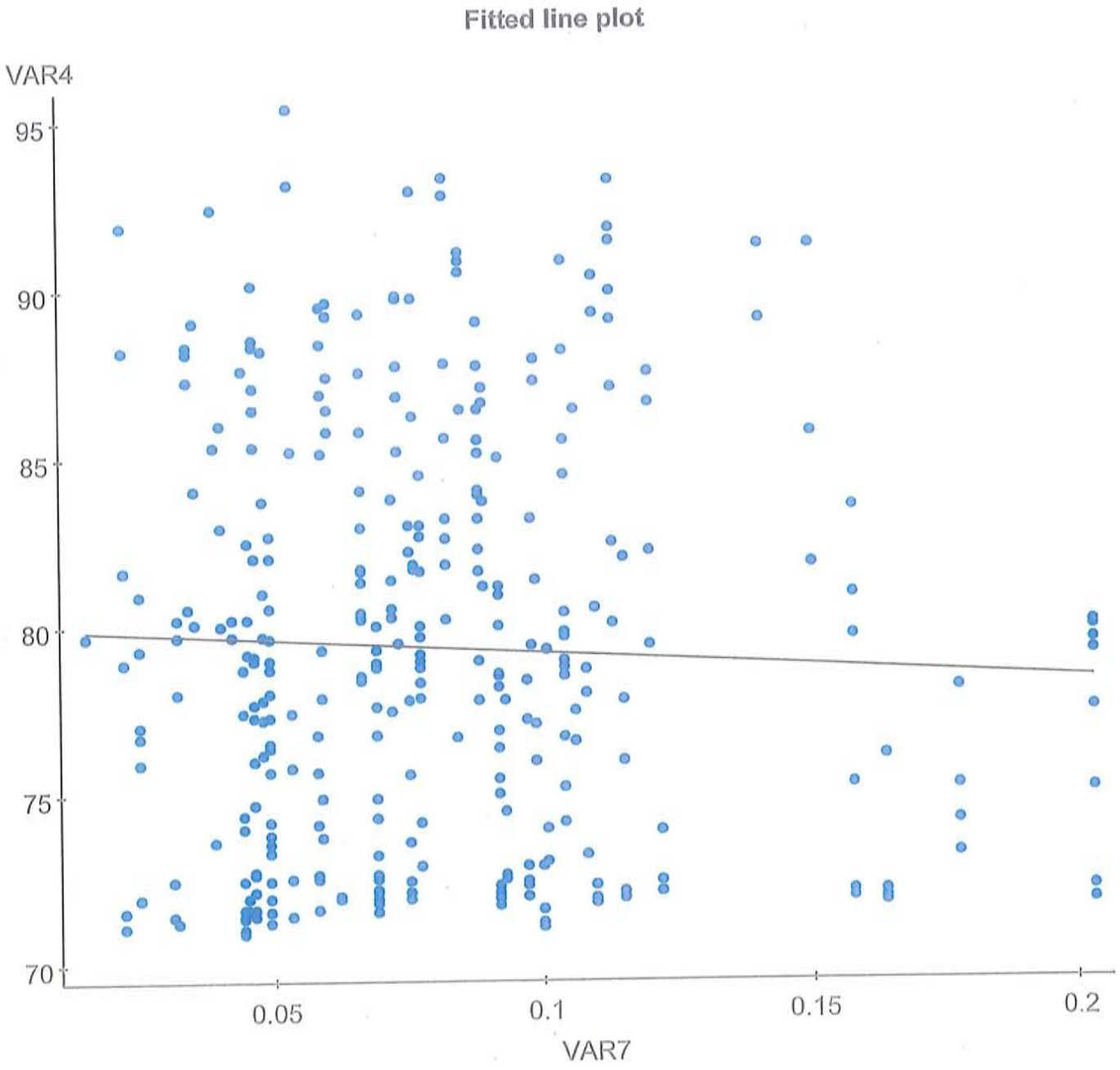
Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.06	79.51561	0.36129892	(78.80512, 80.2261)	(67.50185, 91.52938)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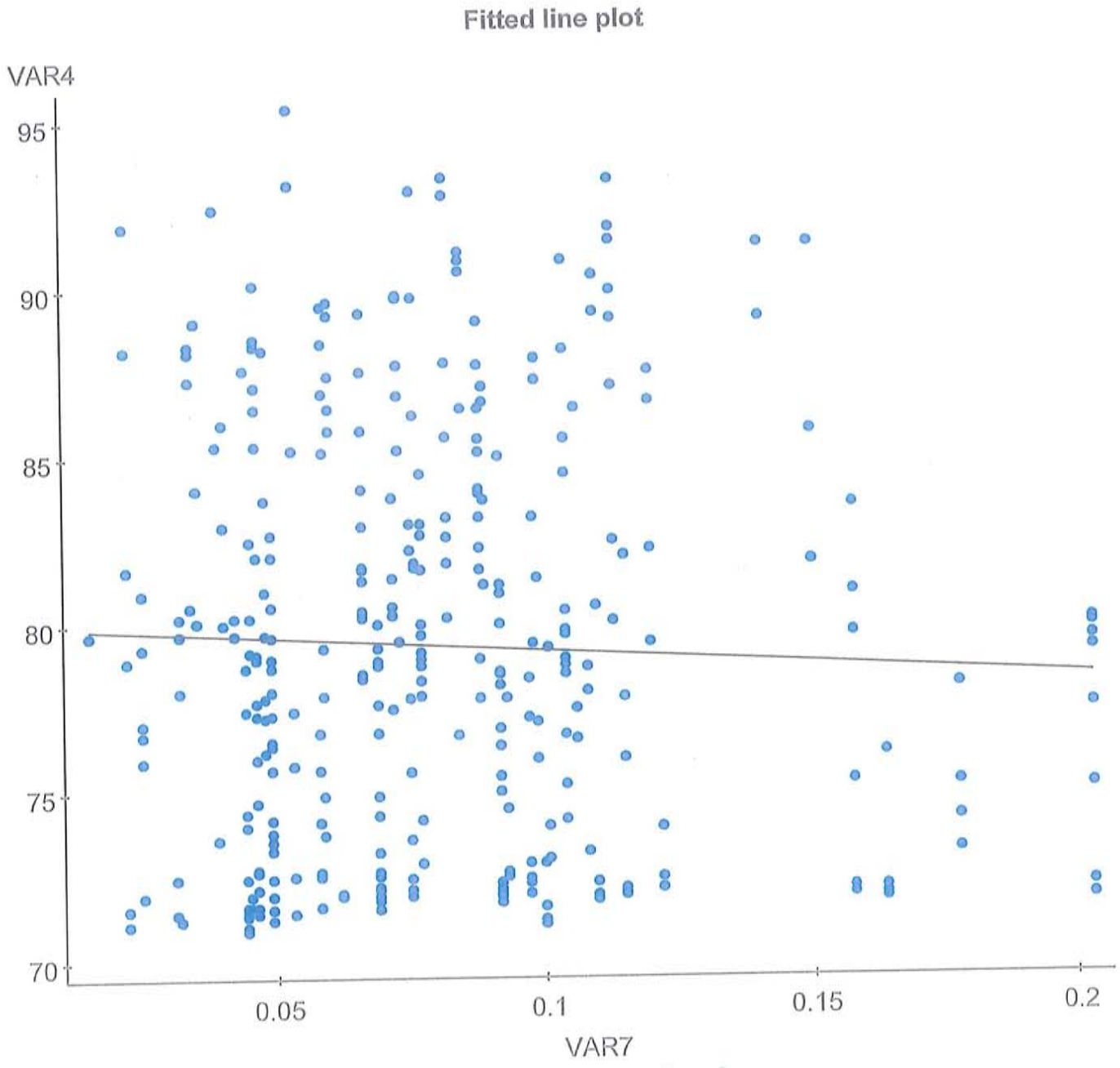
Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.022	79.820656	0.5839261	(78.67237, 80.96893)	(67.77307, 91.86824)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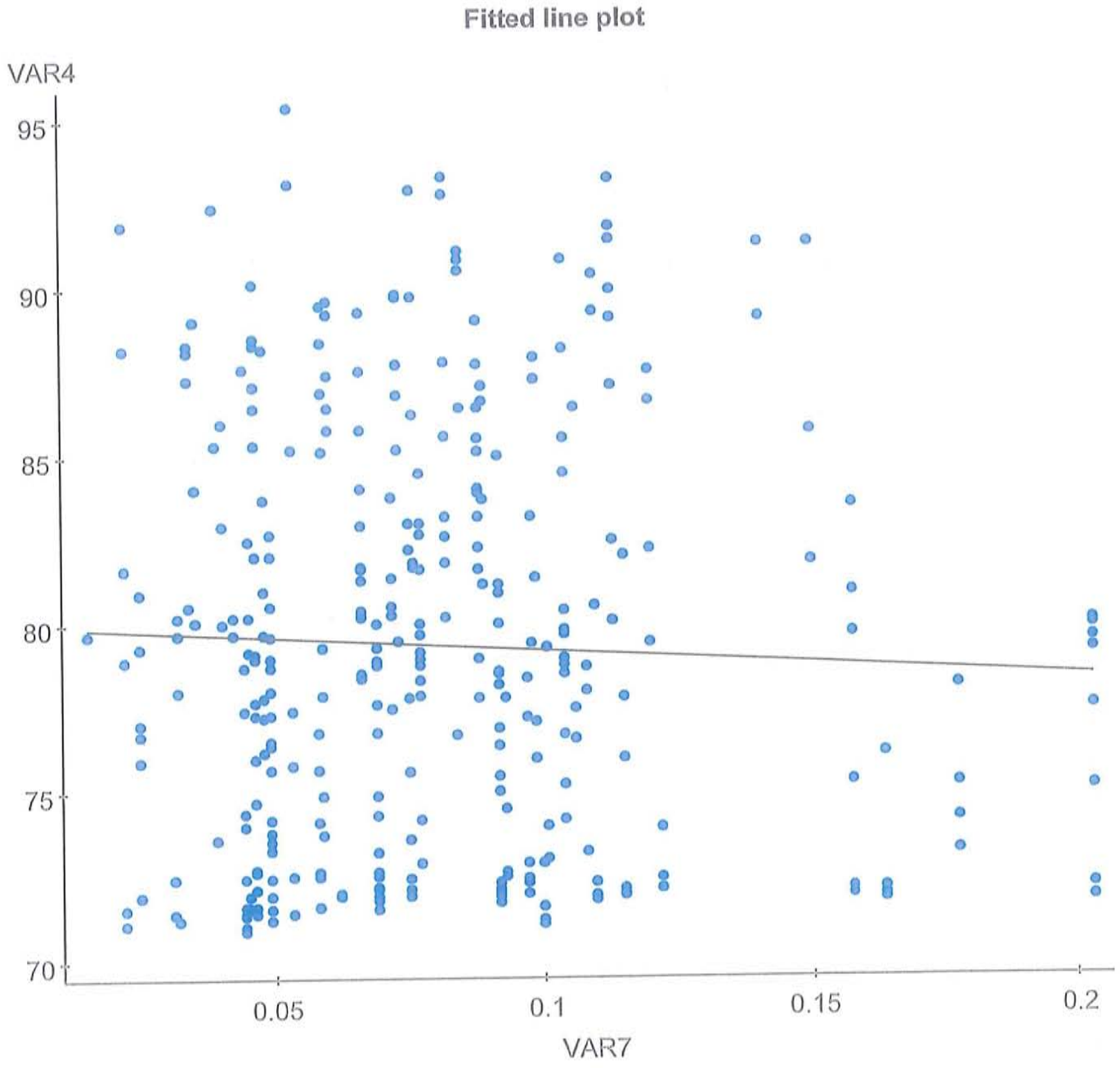
Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.046	80	1.3416408	(62.95284, 97.047165)	(54.714973, 105.28503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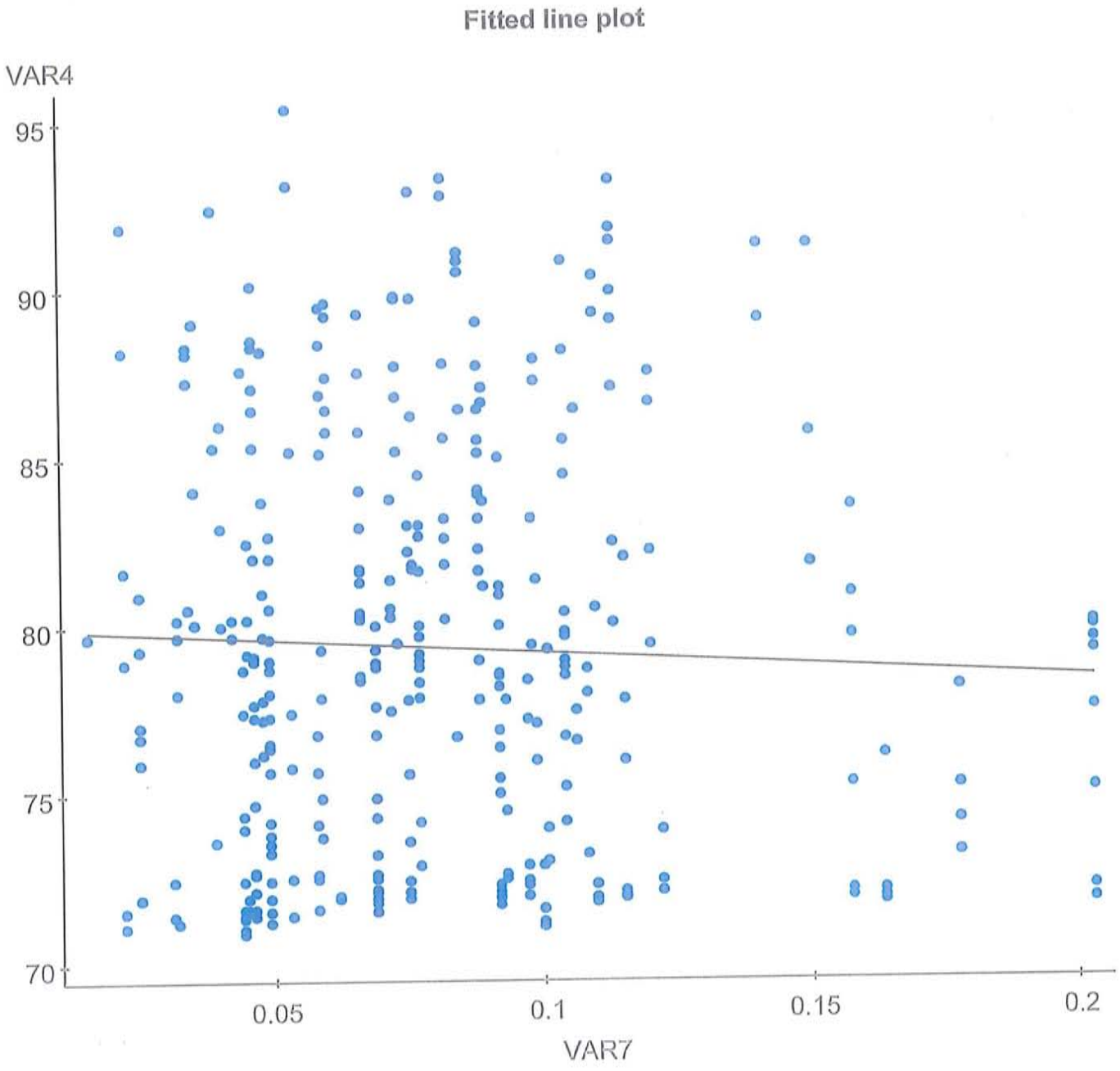
Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.099	79.20254	0.35458723	(78.50525, 79.89983)	(67.189545, 91.21553)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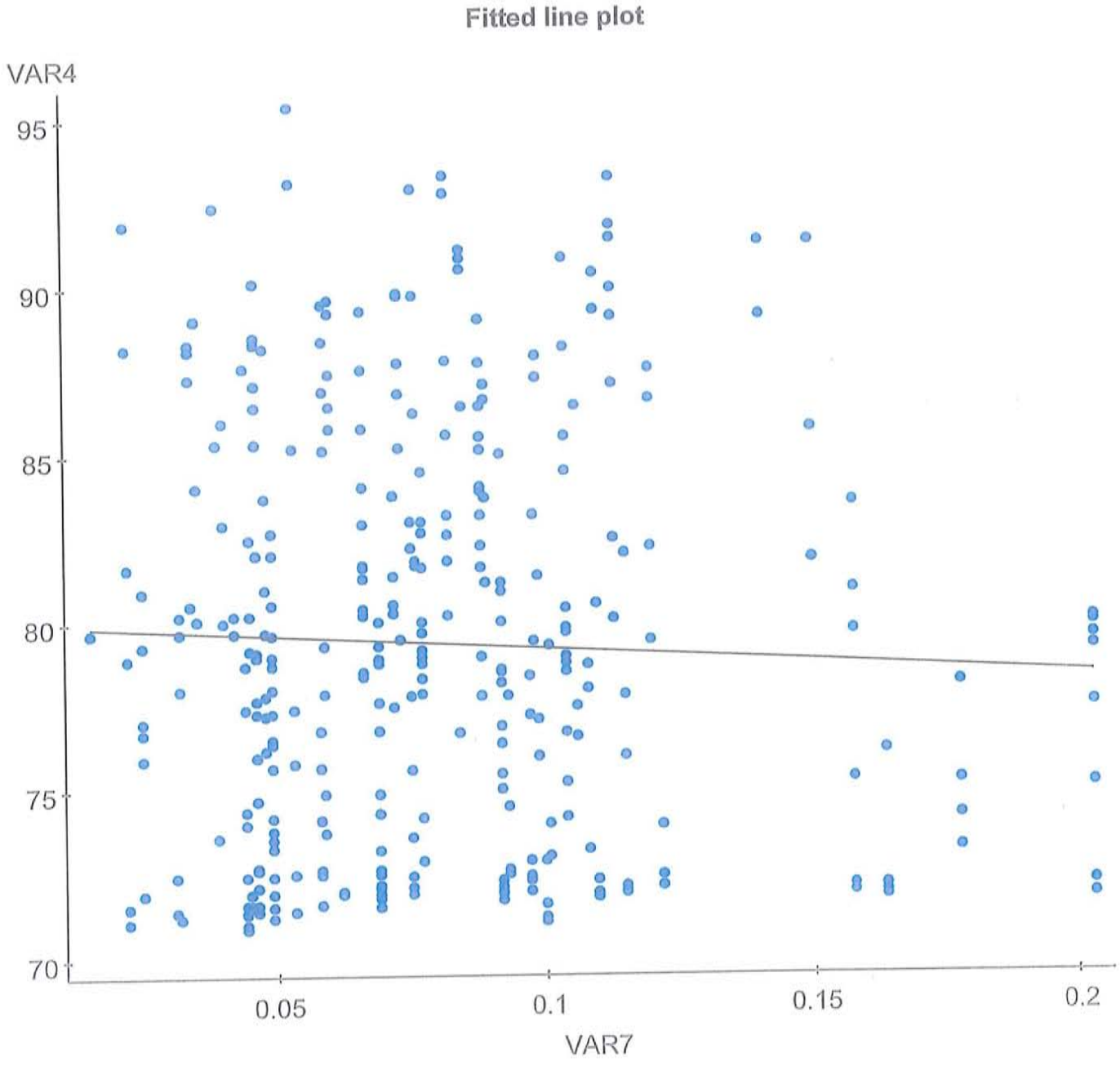
0.082	79.339005	0.3186338	(78,71242, 79.9656)	(67.32991, 91.34811)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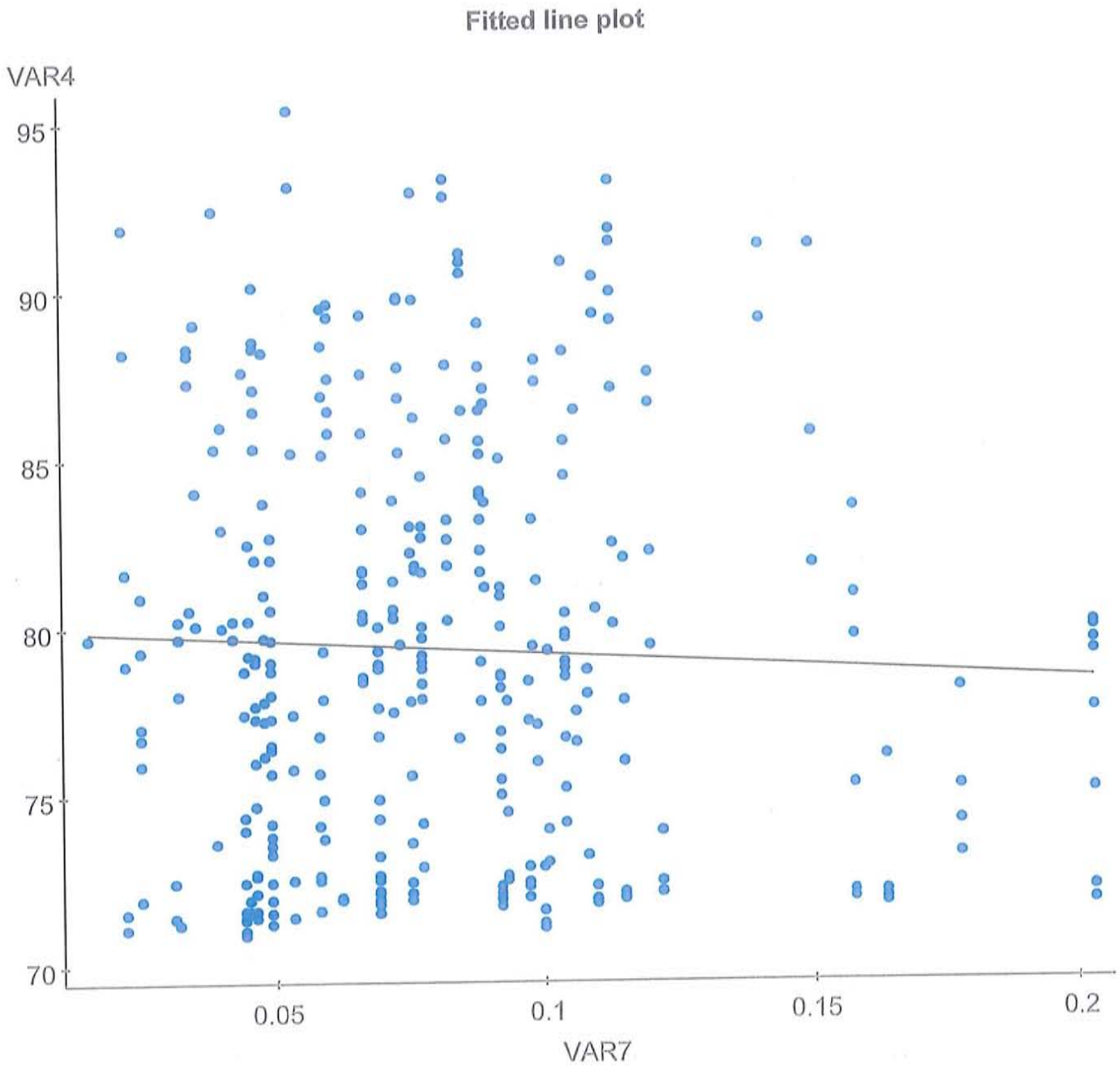
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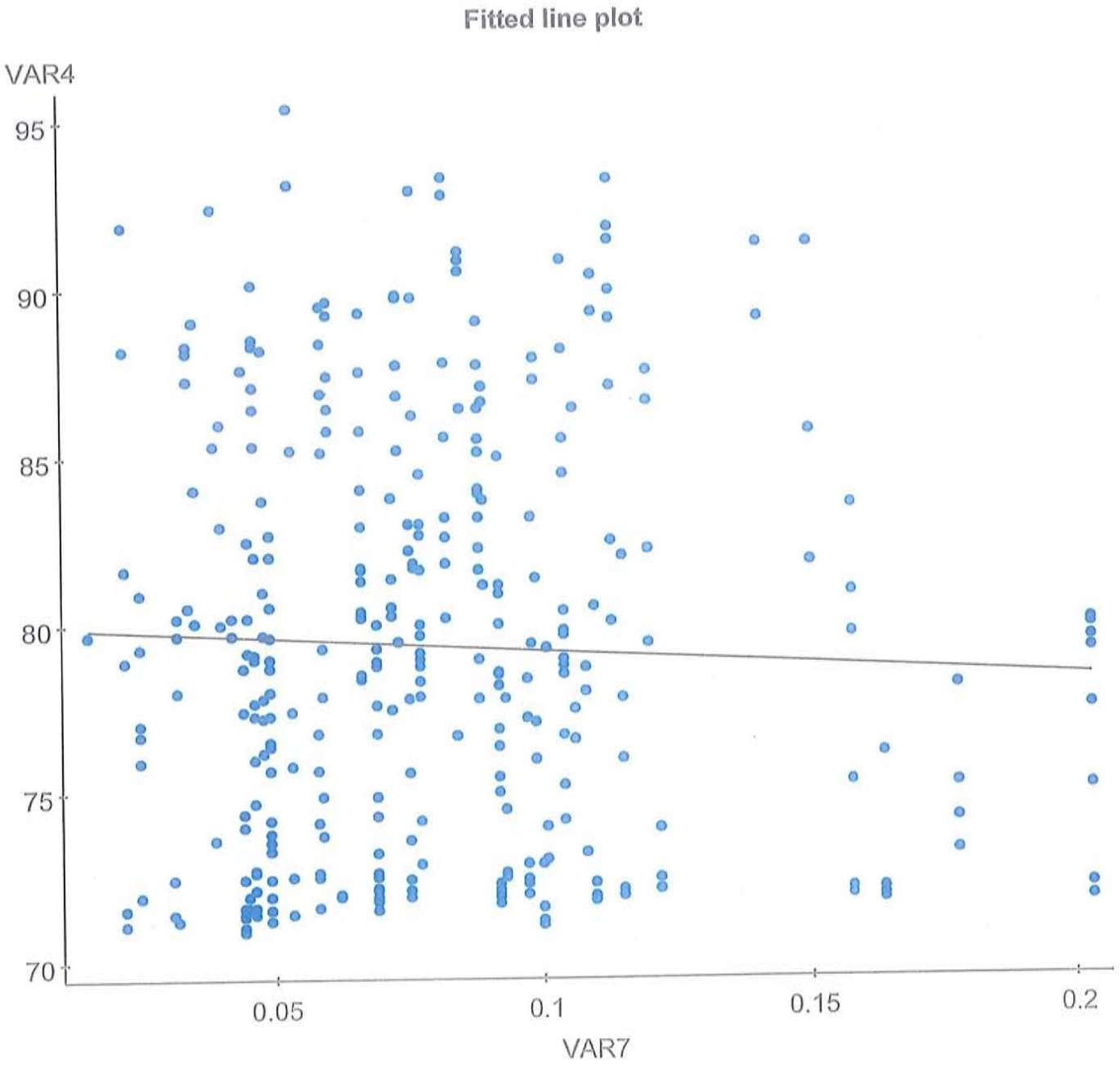
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.034	79.72433	0.50257134	(78.73602, 80.71262)	(67.69093, 91.75772)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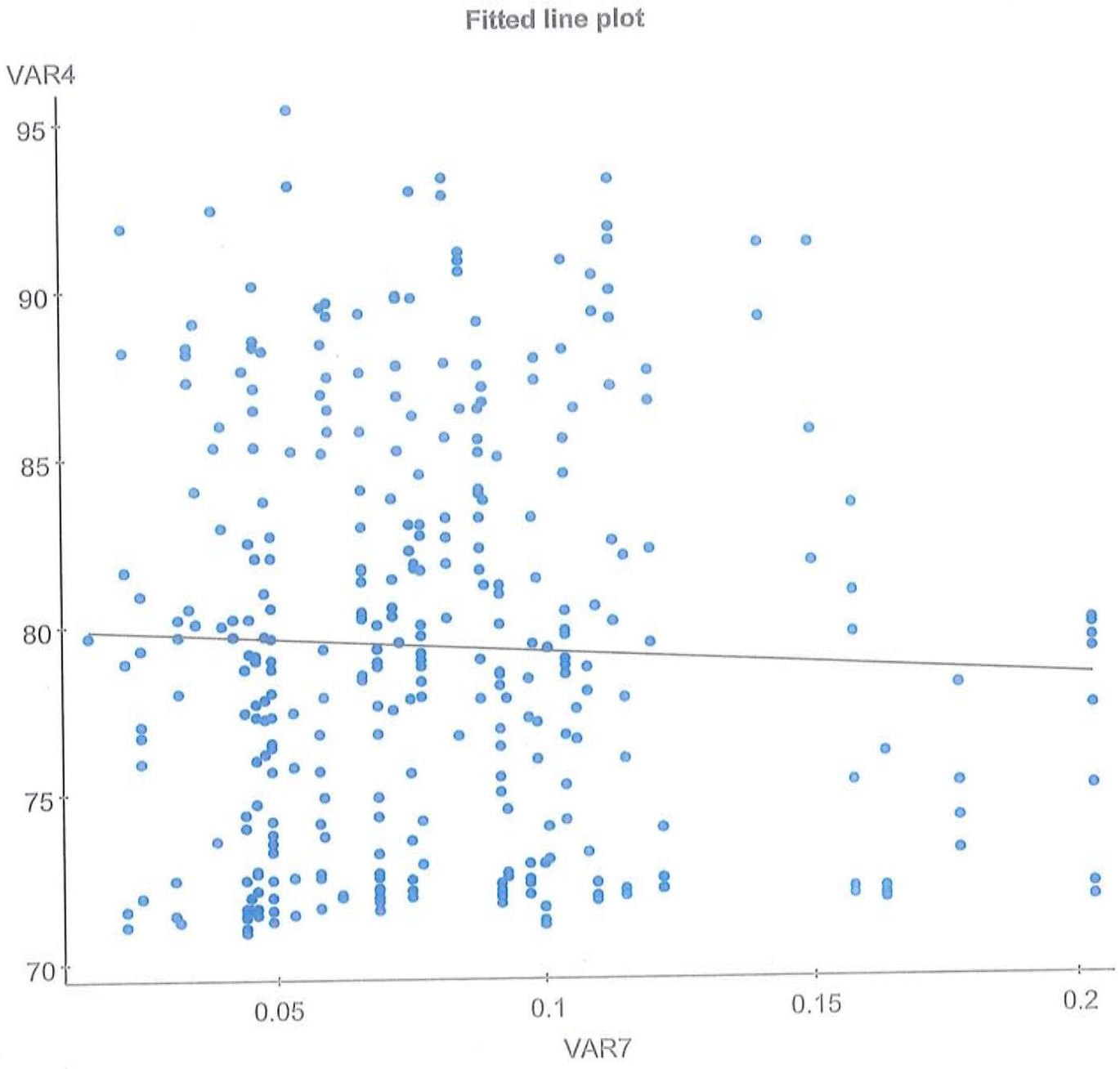
Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.032	79.74038	0.5156583	(78.72635, 80.75442)	(67.70485, 91.77592)


Fitted line plot
VAR4
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Simple linear regression results:
Dependent Variable: VAR4
Independent Variable: VAR7
VAR4 = 79.99726 – 8.027459 VAR7
Sample size: 367
R (correlation coefficient) = -0.05
R-sq = 0.0025044156
Estimate of error standard deviation: 6.0985675

Parameter estimates:

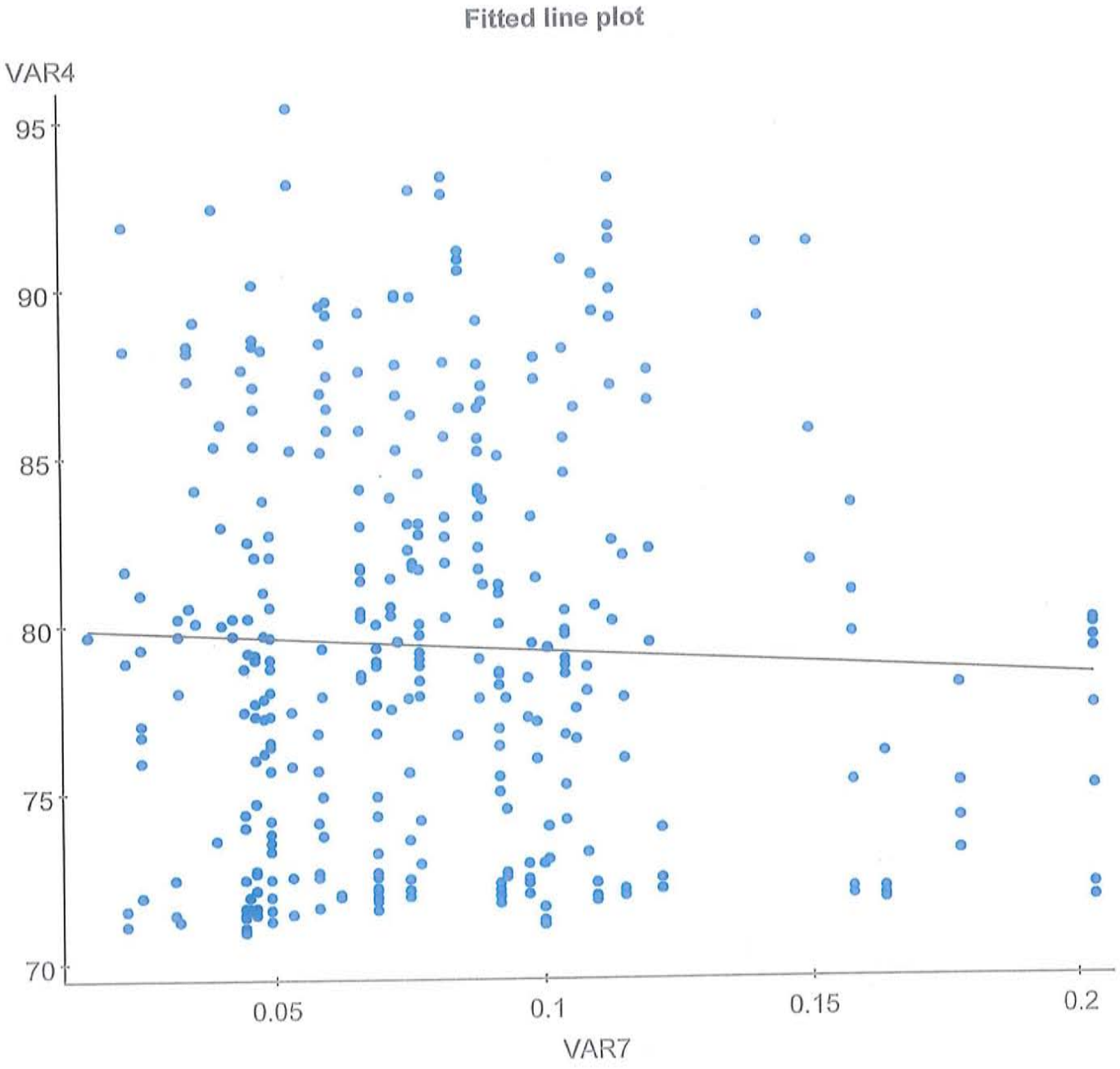
Parameter	Estimate	Std.Err.	DF	95% L. Limit	9% U. Limit
Intercept	79.99726	0.7453987	365	78.53144	81.46307
Slope	-8.027459	8.385596	365	-24.517605	8.4626875

Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.158	78.72892	0.7245987	(77.30401, 80.15383)	(66.651825, 90.806015)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VAR7

Simple linear regression results:
Dependent Variable: VAR4
Independent Variable: VAR7
VAR4 = 79.99726 – 8.027459 VAR7
Sample size: 367
R (correlation coefficient) = -0.05
R-sq = 0.0025044156
Estimate of error standard deviation: 6.0985675

Parameter estimates:

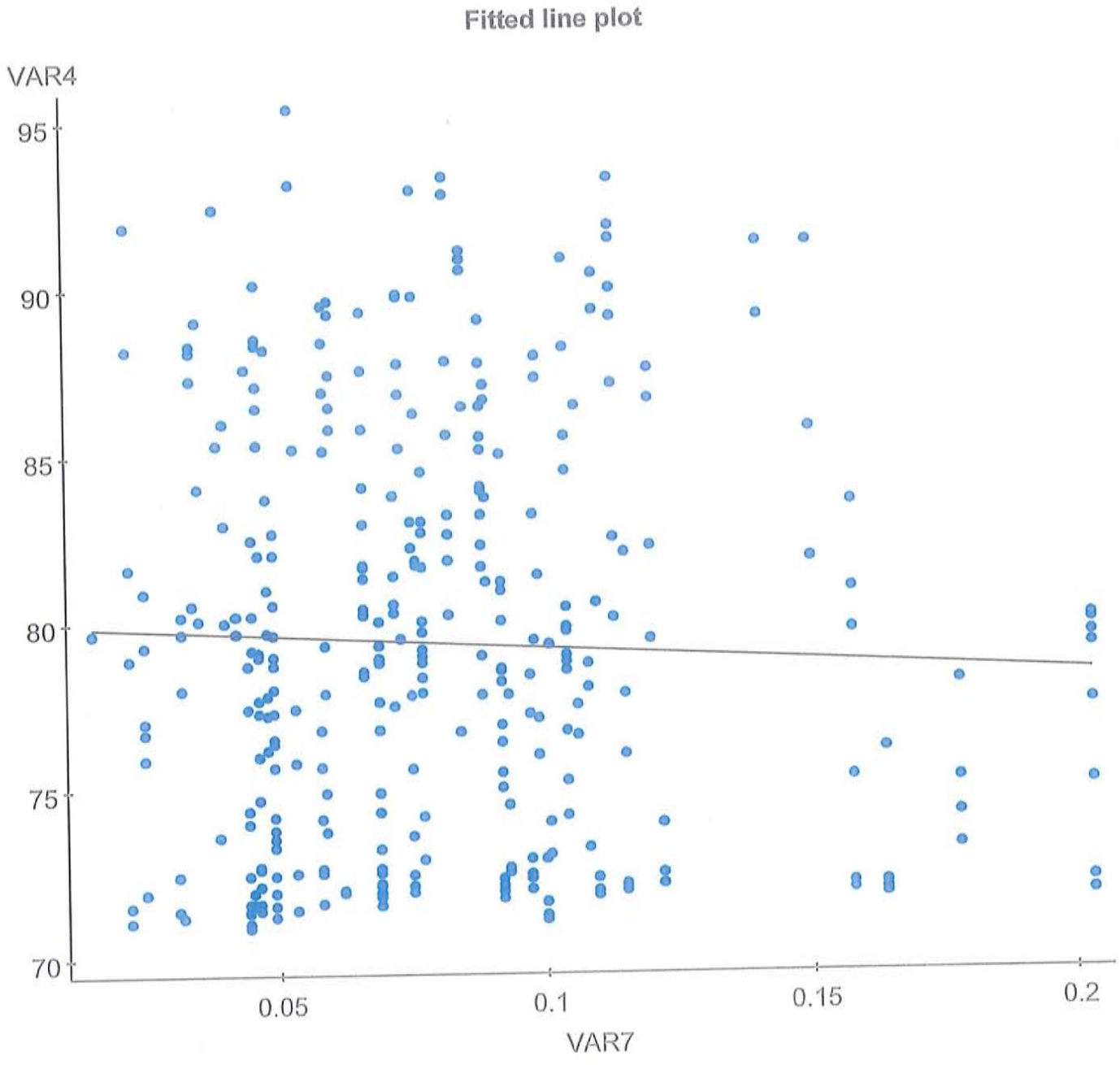
Parameter	Estimate	Std.Err.	DF	95% L. Limit	9% U. Limit
Intercept	79.99726	0.7453987	365	78.53144	81.46307
Slope	-8.027459	8.385596	365	-24.517605	8.4626875

Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.049	79.60391	0.41299775	(78.79176, 80.41607)	(67.5837,91.62412)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VAR7

Simple linear regression results:
Dependent Variable: VAR4
Independent Variable: VAR7
VAR4 = 79.99726 – 8.027459 VAR7
Sample size: 367
R (correlation coefficient) = -0.05
R-sq = 0.0025044156
Estimate of error standard deviation: 6.0985675

Parameter estimates:

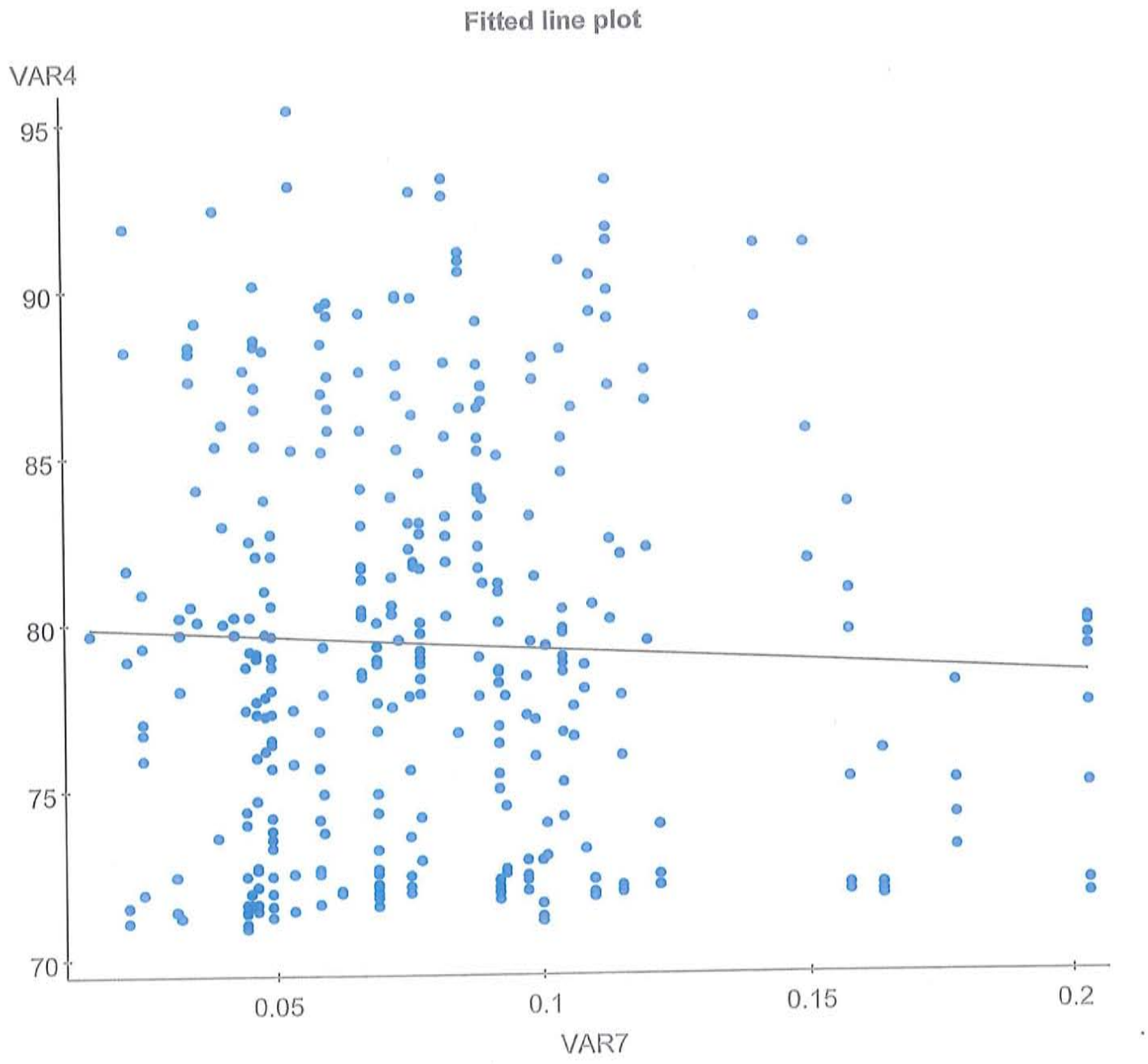
Parameter	Estimate	Std.Err.	DF	95% L. Limit	9% U. Limit
Intercept	79.99726	0.7453987	365	78.53144	81.46307
Slope	-8.027459	8.385596	365	-24.517605	8.4626875

Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.092	79.258736	0.33293125	(78.60403, 79.91344)	67.24814, 9126933)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VAR7

Simple linear regression results:
Dependent Variable: VAR4
Independent Variable: VAR7
VAR4 = 79.99726 – 8.027459 VAR7
Sample size: 367
R (correlation coefficient) = -0.05
R-sq = 0.0025044156
Estimate of error standard deviation: 6.0985675

Parameter estimates:

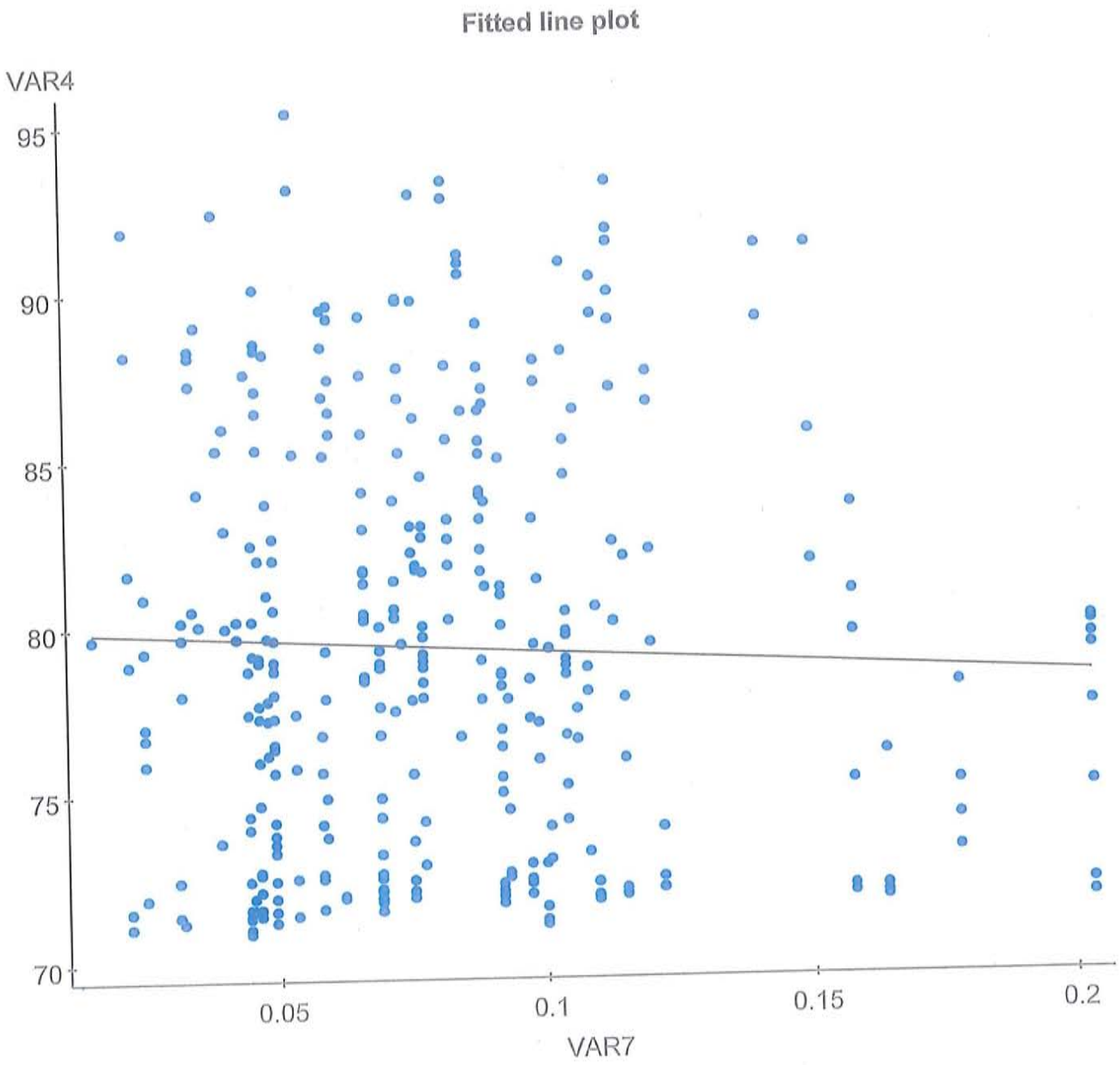
Parameter	Estimate	Std.Err.	DF	95% L. Limit	9% U. Limit
Intercept	79.99726	0.7453987	365	78.53144	81.46307
Slope	-8.027459	8.385596	365	-24.517605	8.4626875

Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.069	79.44337	0.33232844	(78.78985, 80.096886)	(67.43283, 91.453896)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VAR7

Simple linear regression results:
Dependent Variable: VAR4
Independent Variable: VAR7
VAR4 = 79.99726 – 8.027459 VAR7
Sample size: 367
R (correlation coefficient) = -0.05
R-sq = 0.0025044156
Estimate of error standard deviation: 6.0985675

Parameter estimates:

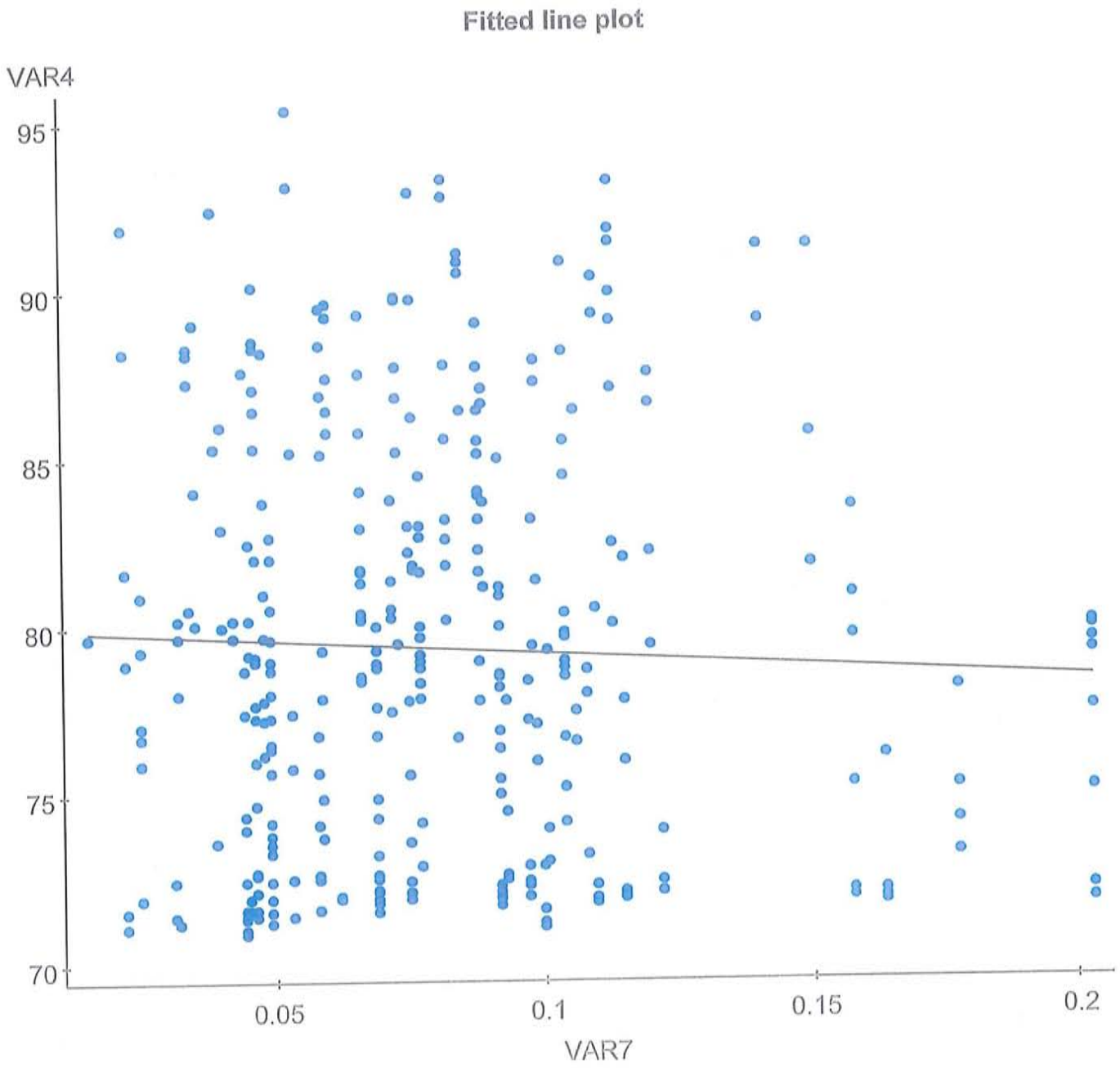
Parameter	Estimate	Std.Err.	DF	95% L. Limit	9% U. Limit
Intercept	79.99726	0.7453987	365	78.53144	81.46307
Slope	-8.027459	8.385596	365	-24.517605	8.4626875

Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.059	79.523636	0.36533937	(78.80521, 80.24207)	(67.5094, 91,53788)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Simple linear regression results:
Dependent Variable: VAR4
Independent Variable: VAR7
VAR4 = 79.99726 – 8.027459 VAR7
Sample size: 367
R (correlation coefficient) = -0.05
R-sq = 0.0025044156
Estimate of error standard deviation: 6.0985675

Parameter estimates:

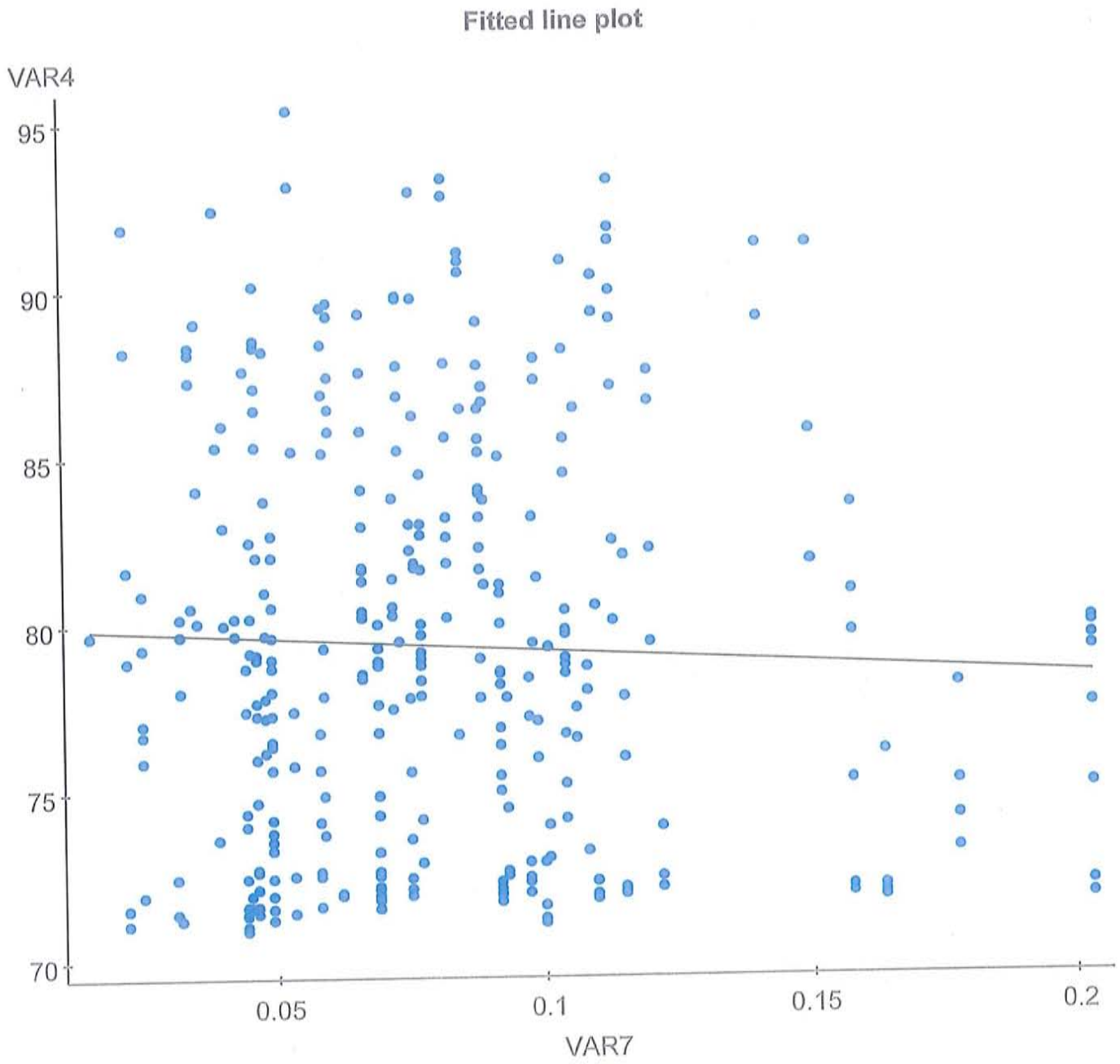
Parameter	Estimate	Std.Err.	DF	95% L. Limit	9% U. Limit
Intercept	79.99726	0.7453987	365	78.53144	81.46307
Slope	-8.027459	8.385596	365	-24.517605	8.4626875

Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.025	79.79657	0.56300366	(78.68944, 80.90371)	67.75284, 91.84031)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VAR7

Simple linear regression results:
Dependent Variable: VAR4
Independent Variable: VAR7
VAR4 = 79.99726 – 8.027459 VAR7
Sample size: 367
R (correlation coefficient) = -0.05
R-sq = 0.0025044156
Estimate of error standard deviation: 6.0985675

Parameter estimates:

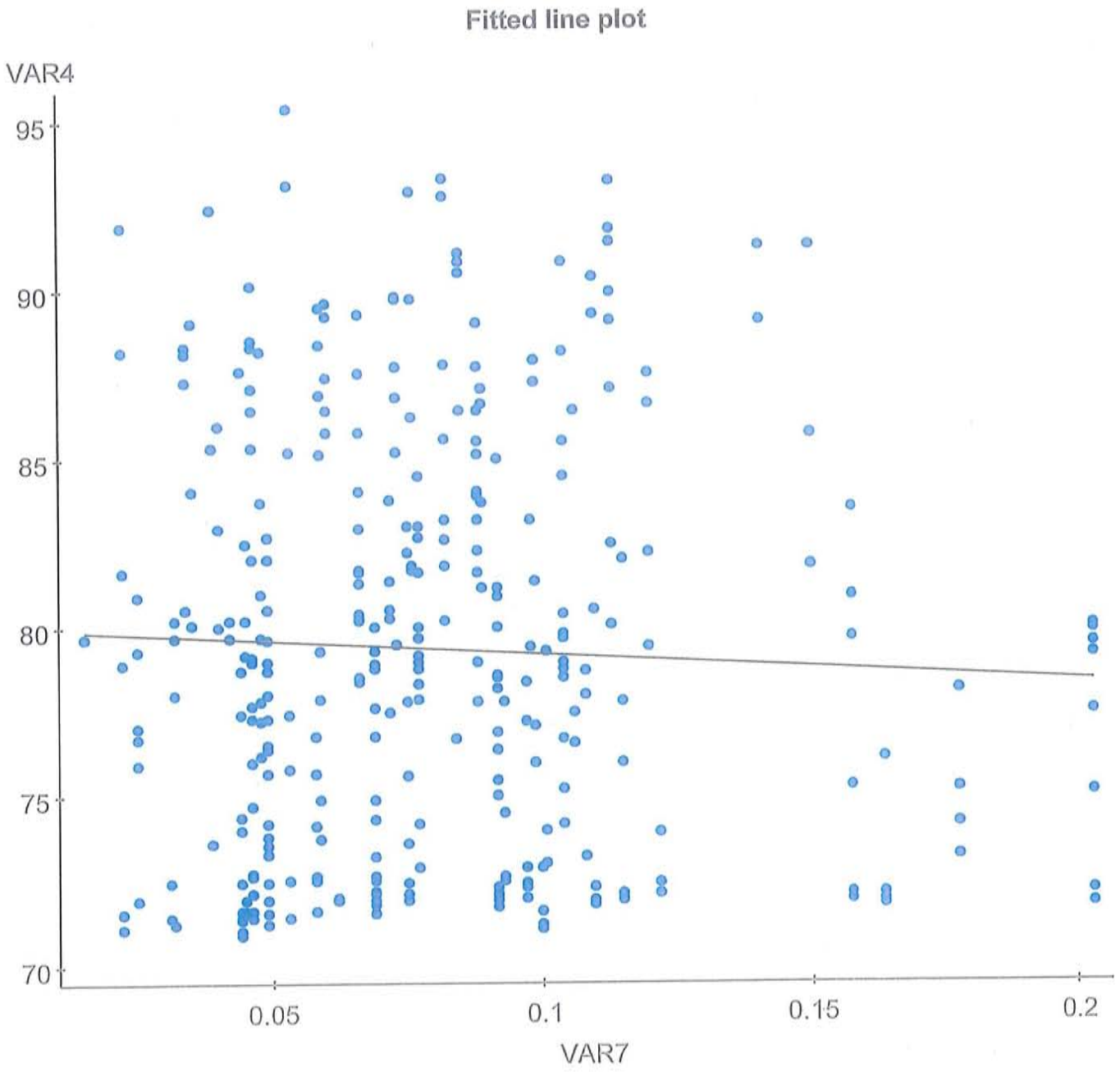
Parameter	Estimate	Std.Err.	DF	95% L. Limit	9% U. Limit
Intercept	79.99726	0.7453987	365	78.53144	81.46307
Slope	-8.027459	8.385596	365	-24.517605	8.4626875

Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.044	79.64405	0.44089472	(78.77704, 80.51106)	(67.62001, 91.66809)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Simple linear regression results:
Dependent Variable: VAR4
Independent Variable: VAR7
VAR4 = 79.99726 – 8.027459 VAR7
Sample size: 367
R (correlation coefficient) = -0.05
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Estimate of error standard deviation: 6.0985675

Parameter estimates:

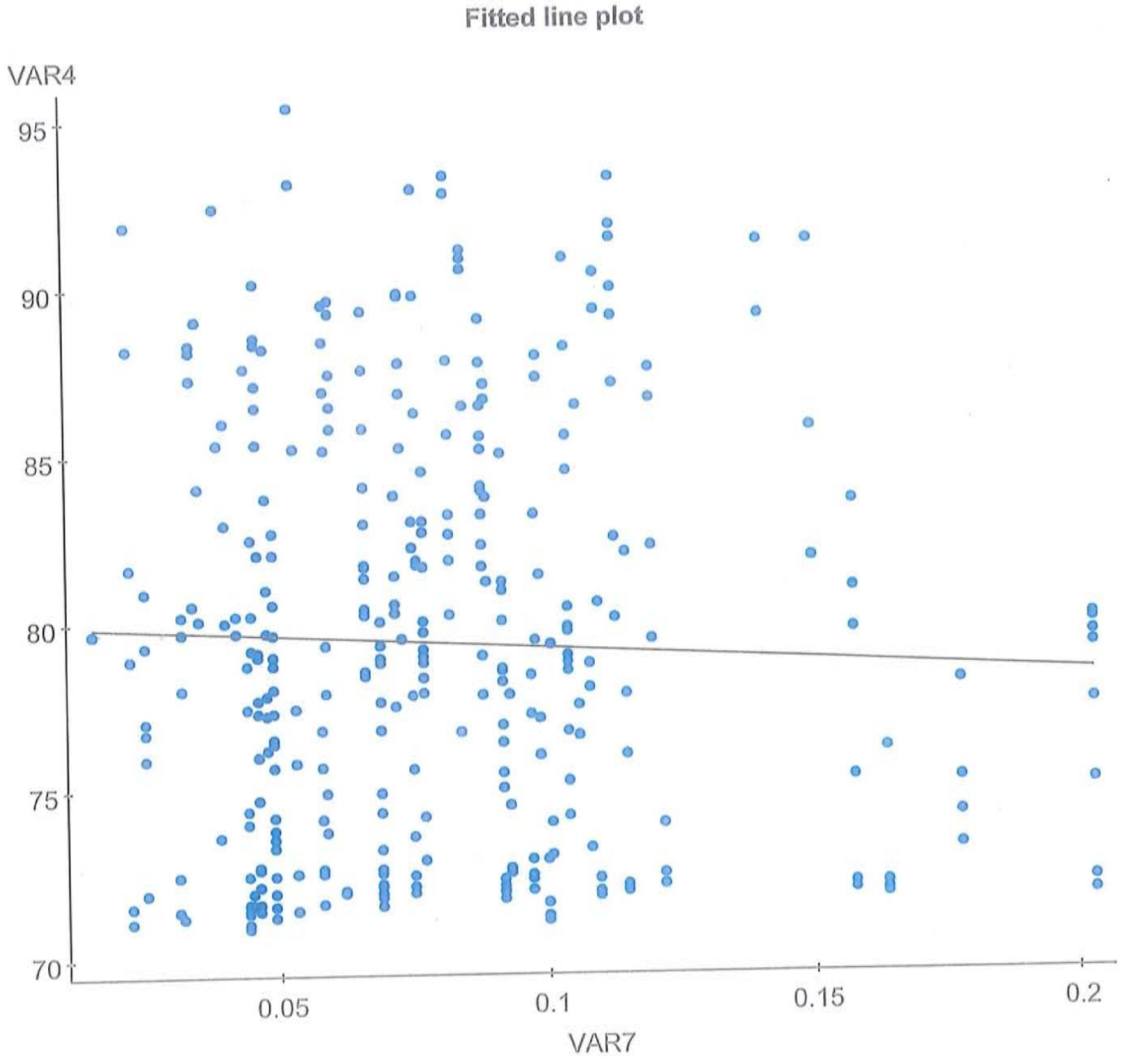
Parameter	Estimate	Std.Err.	DF	95% L. Limit	9% U. Limit
Intercept	79.99726	0.7453987	365	78.53144	81.46307
Slope	-8.027459	8.385596	365	-24.517605	8.4626875

Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.066	79.467445	0.34040374	(78.79805, 80.13685)	(67.45604, 91.47885)


Fitted line plot
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Simple linear regression results:
Dependent Variable: VAR4
Independent Variable: VAR7
VAR4 = 79.99726 – 8.027459 VAR7
Sample size: 367
R (correlation coefficient) = -0.05
R-sq = 0.0025044156
Estimate of error standard deviation: 6.0985675

Parameter estimates:

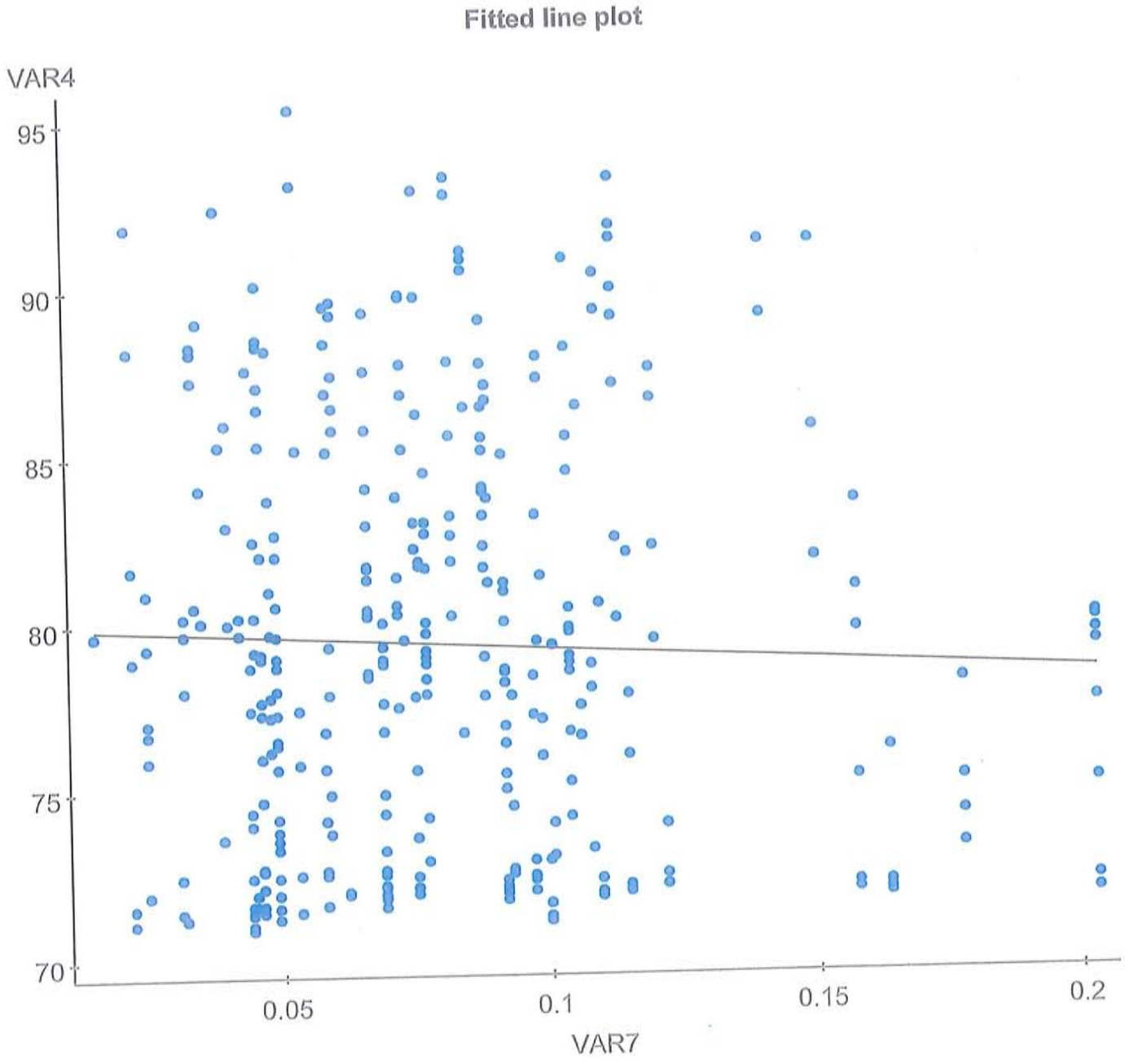
Parameter	Estimate	Std.Err.	DF	95% L. Limit	9% U. Limit
Intercept	79.99726	0.7453987	365	78.53144	81.46307
Slope	-8.027459	8.385596	365	-24.517605	8.4626875

Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.1	79.19451	0.35835963	(78.48981, 79.89922)	(67.18108, 91.20794)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Simple linear regression results:
Dependent Variable: VAR4
Independent Variable: VAR7
VAR4 = 79.99726 – 8.027459 VAR7
Sample size: 367
R (correlation coefficient) = -0.05
R-sq = 0.0025044156
Estimate of error standard deviation: 6.0985675

Parameter estimates:

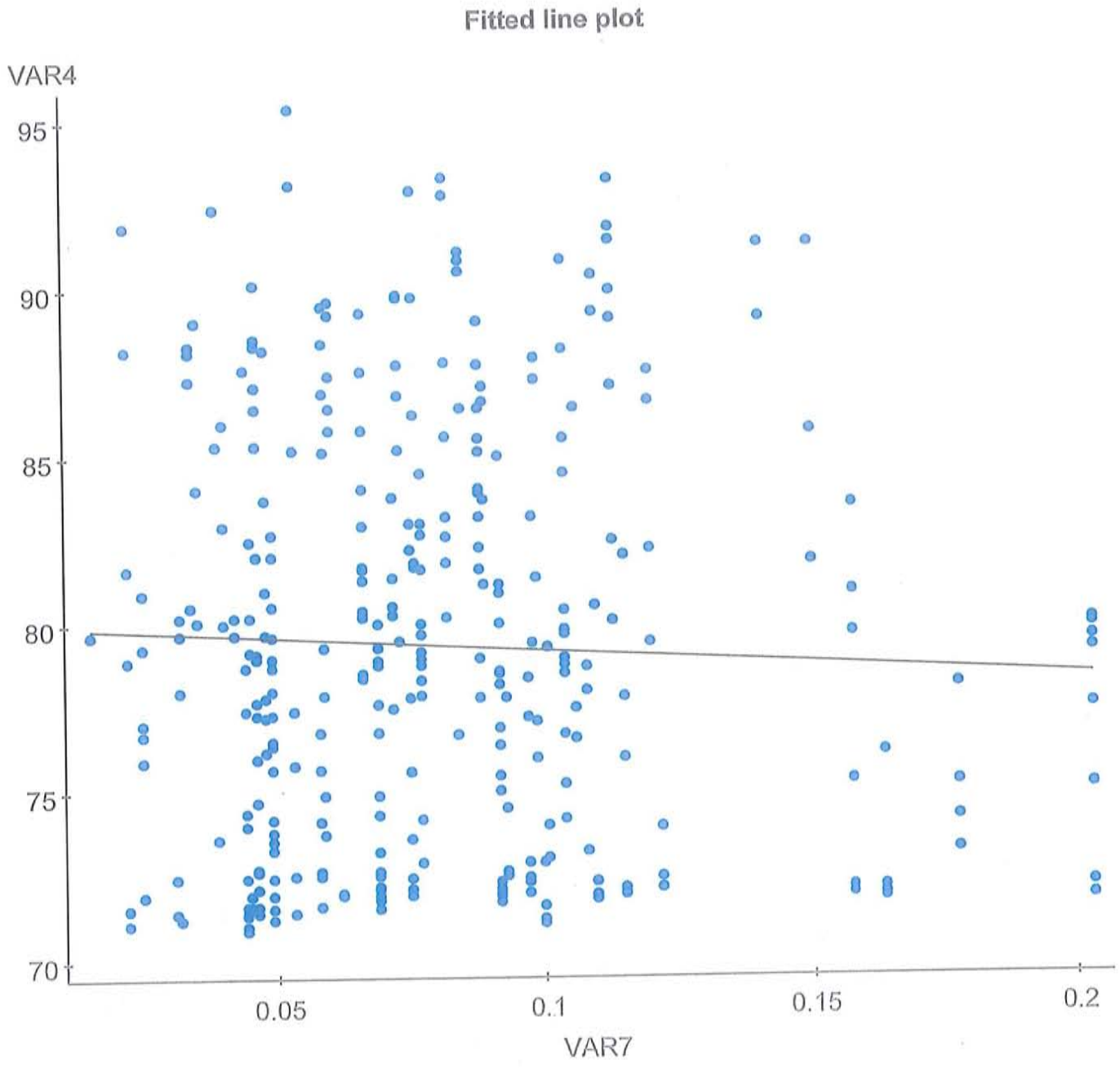
Parameter	Estimate	Std.Err.	DF	95% L. Limit	9% U. Limit
Intercept	79.99726	0.7453987	365	78.53144	81.46307
Slope	-8.027459	8.385596	365	-24.517605	8.4626875

Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.098	79.21057	0.35097465	(78.52038, 79.90076)	(67.19798, 91.22315)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VAR4
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Simple linear regression results:
Dependent Variable: VAR4
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Sample size: 367
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Parameter	Estimate	Std.Err.	DF	95% L. Limit	9% U. Limit
Intercept	79.99726	0.7453987	365	78.53144	81.46307
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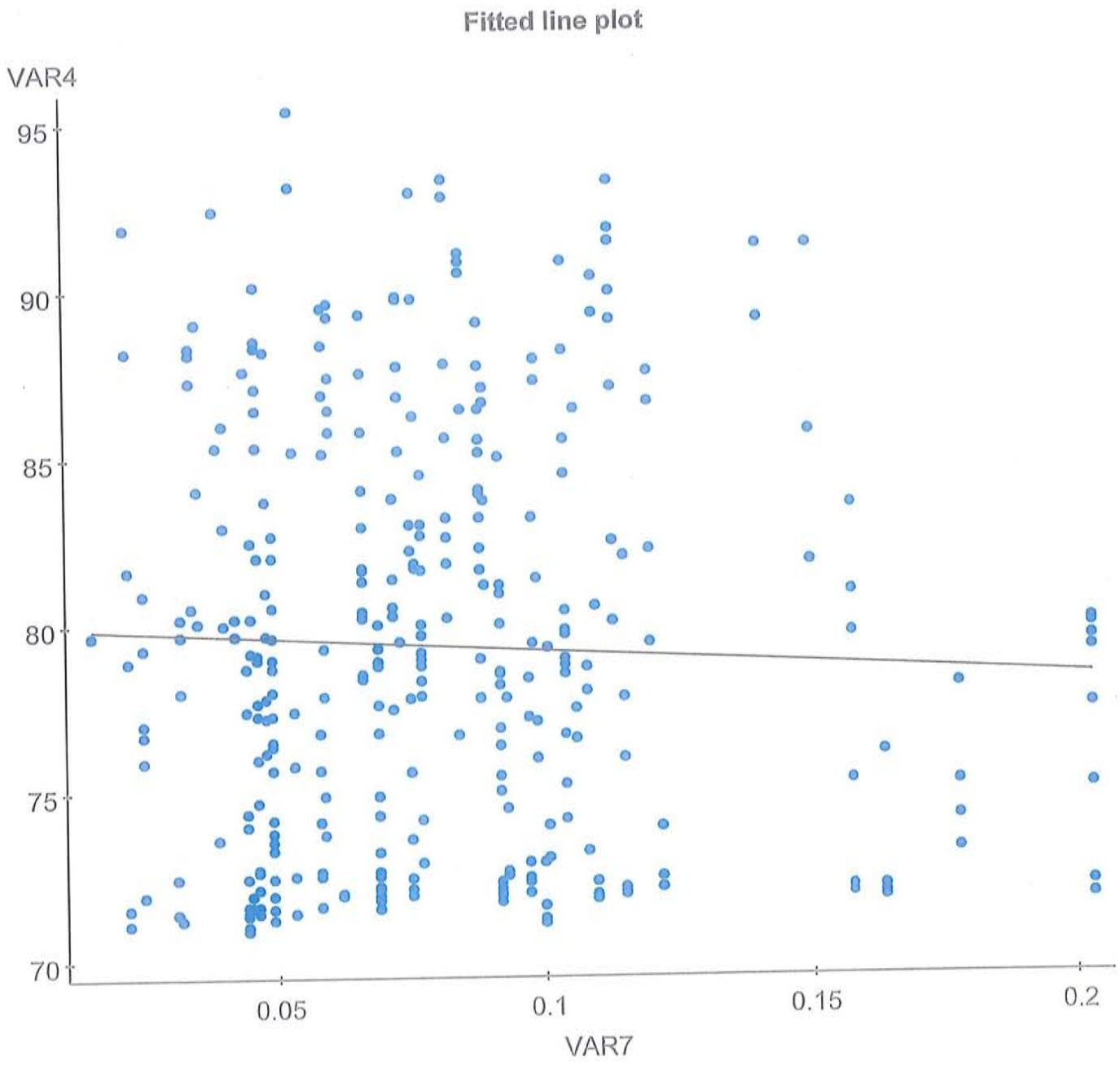
Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.088	79.29084	0.32469878	(78.65233, 79.92936)	67.28112, 91.30057)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Simple linear regression results:
Dependent Variable: VAR4
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VAR4 = 79.99726 – 8.027459 VAR7
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Parameter estimates:

Parameter	Estimate	Std.Err.	DF	95% L. Limit	9% U. Limit
Intercept	79.99726	0.7453987	365	78.53144	81.46307
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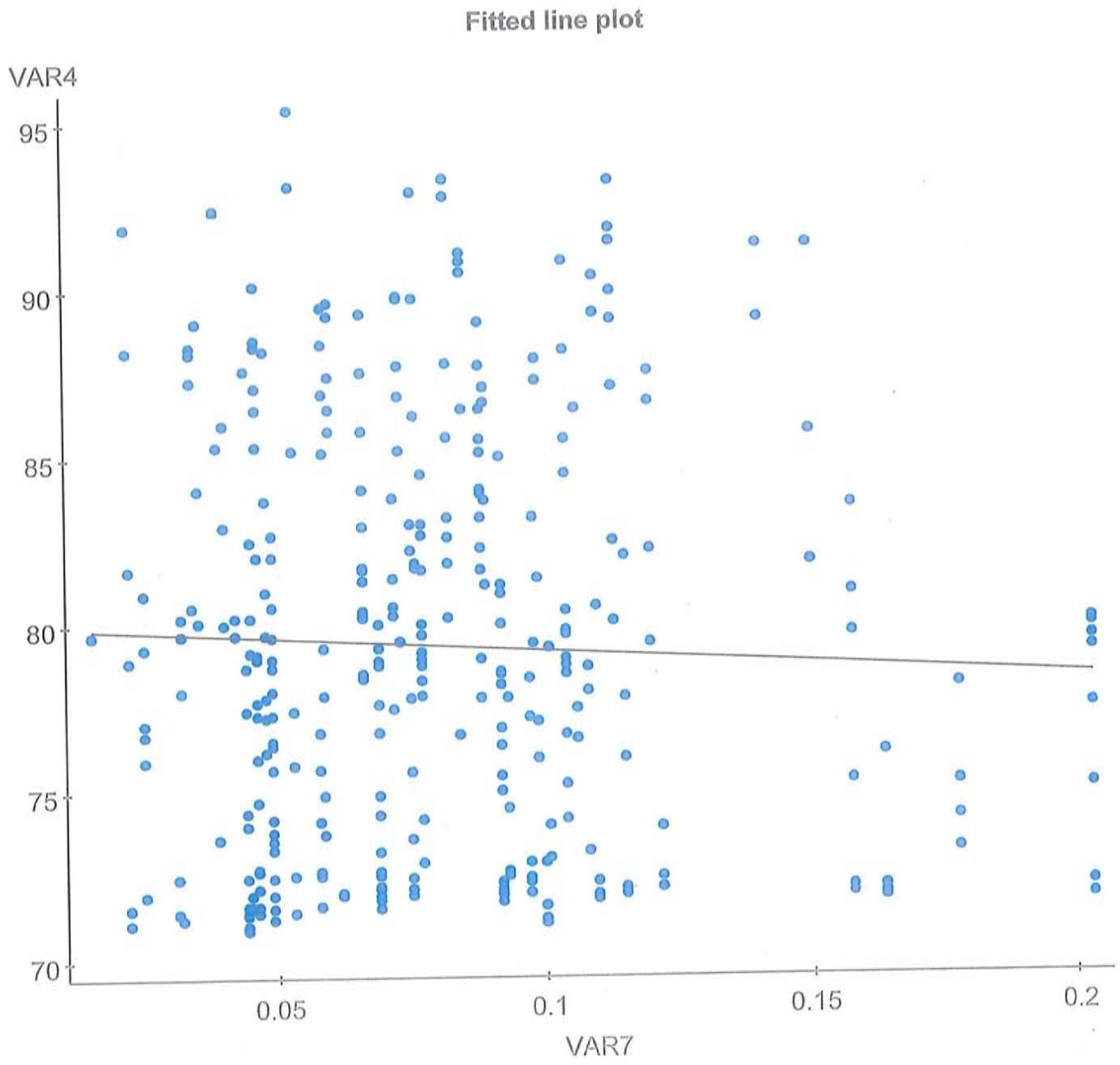
Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.203	78.36768	1.0764256	(76.25091, 80.48446)	(66.18957, 90.5458)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Simple linear regression results:
Dependent Variable: VAR4
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Intercept	79.99726	0.7453987	365	78.53144	81.46307
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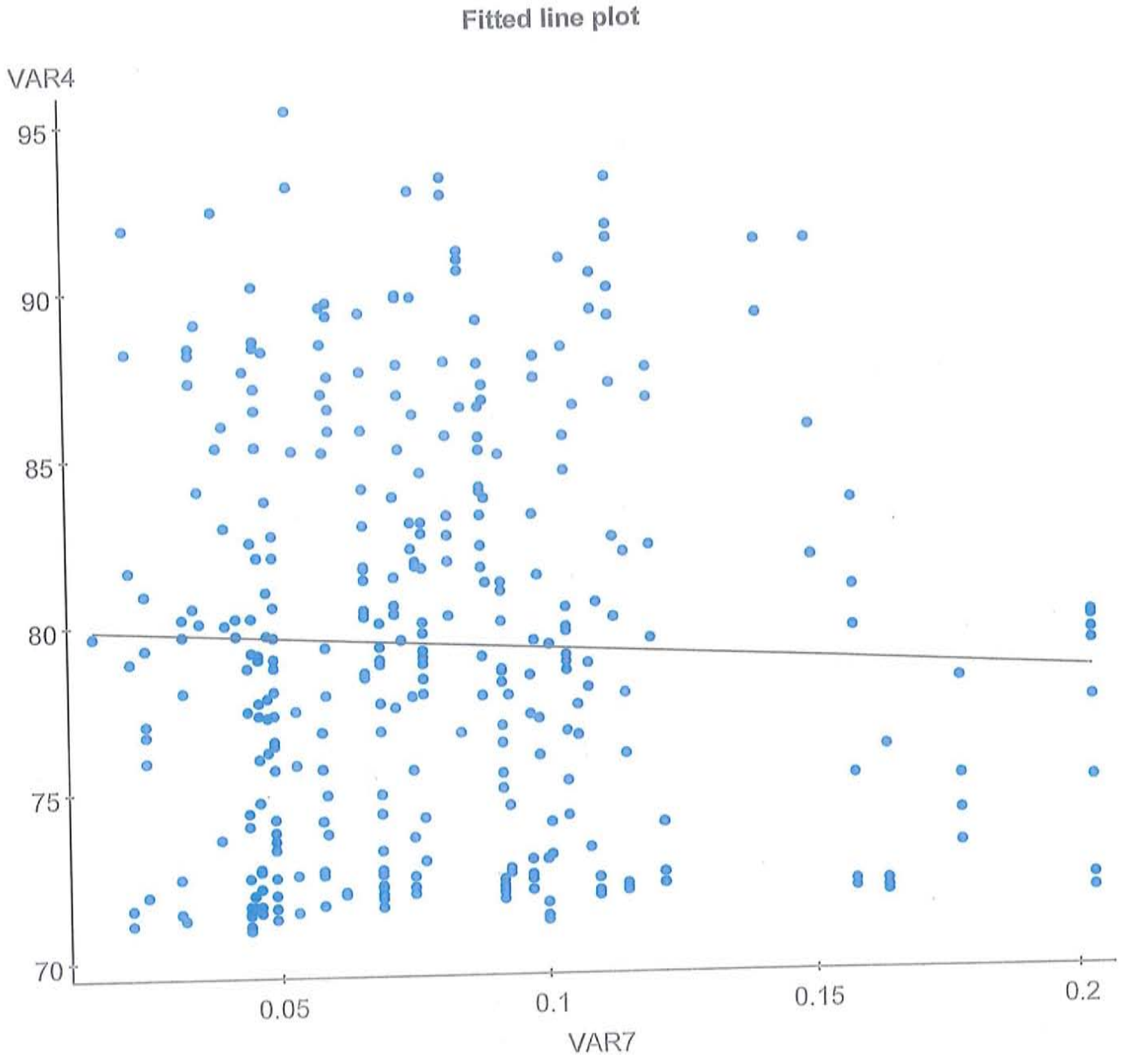
Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.141	78.86539	0.59981686	(77.68586, 80.044914)	(66.81478, 90.91599)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Dependent Variable: VAR4
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Intercept	79.99726	0.7453987	365	78.53144	81.46307
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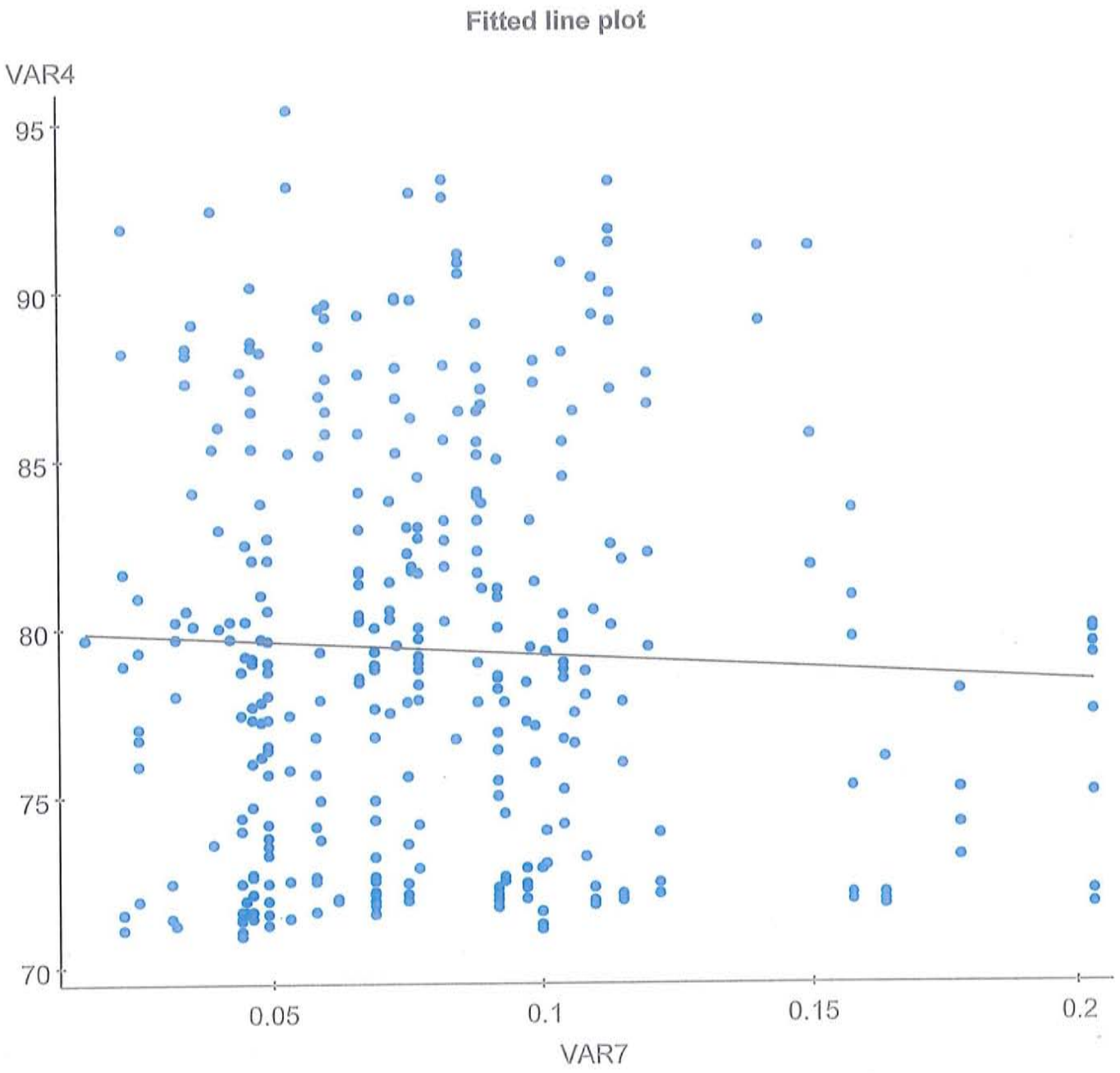
Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.164	78.680756	0.7701138	(77.166336, 80.195175)	(66.59277, 90.76874)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Dependent Variable: VAR4
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Parameter	Estimate	Std.Err.	DF	95% L. Limit	9% U. Limit
Intercept	79.99726	0.7453987	365	78.53144	81.46307
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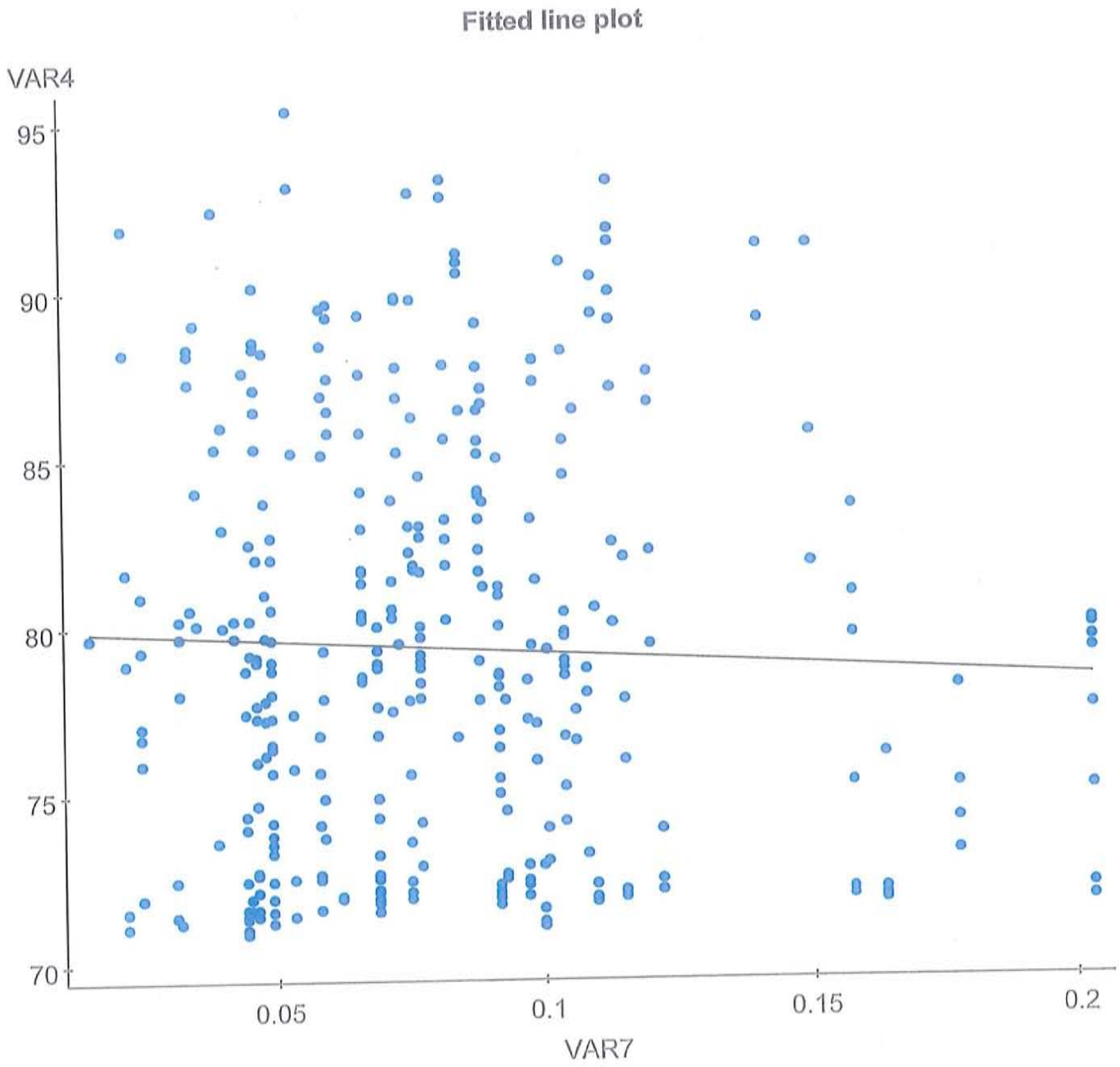
Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.092	79.258736	0.33293125	(78.60403, 79.91344)	(67.24814, 91.26933)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Dependent Variable: VAR4
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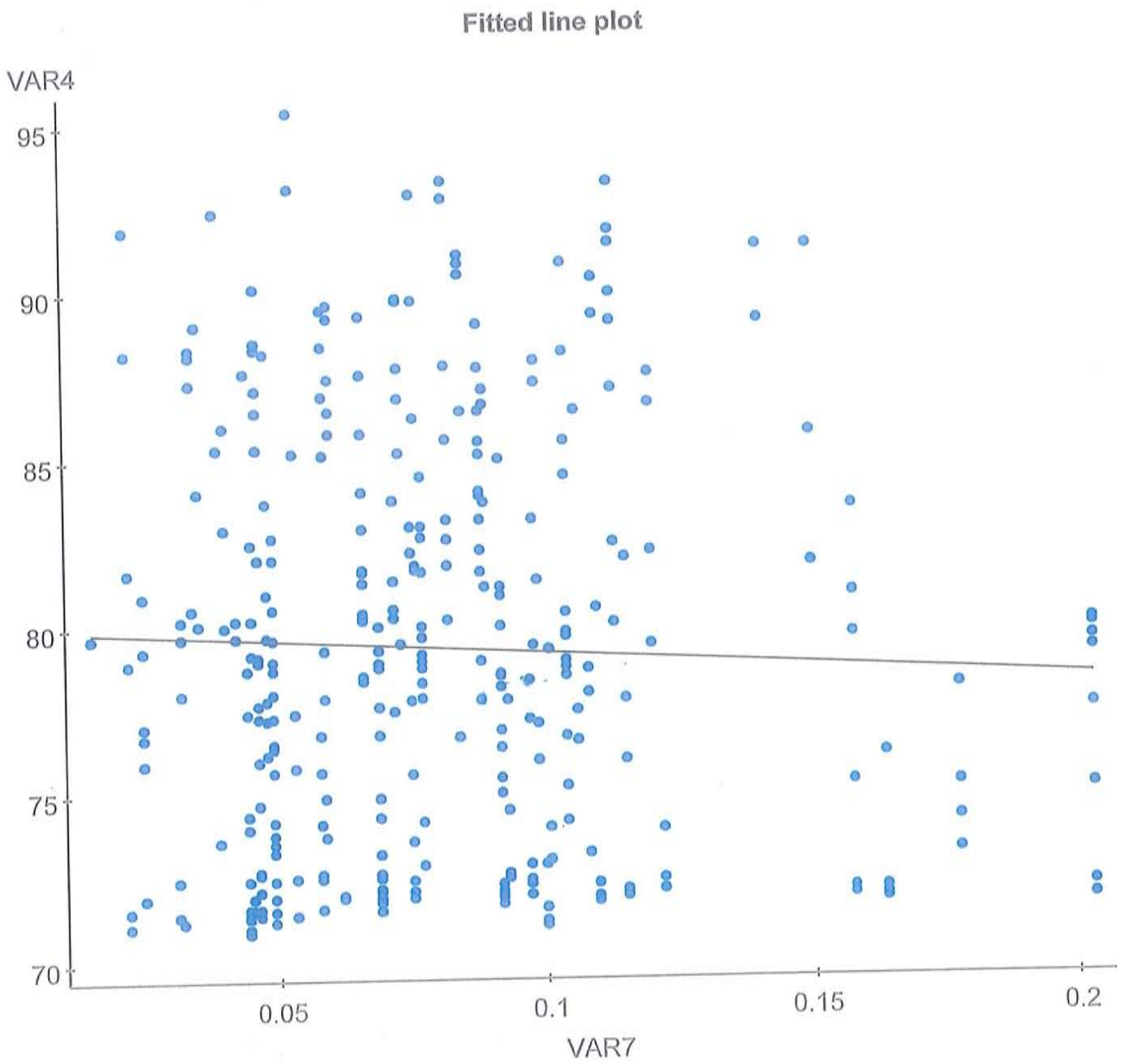
Parameter	Estimate	Std.Err.	DF	95% L. Limit	9% U. Limit
Intercept	79.99726	0.7453987	365	78.53144	81.46307
Slope	-8.027459	8.385596	365	-24.517605	8.4626875

Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.11	79.114235	0.40379688	(78.320175, 79.9083)	(67.09524, 91.13324)


Fitted line plot
VAR4
95
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VAR7

Simple linear regression results:
Dependent Variable: VAR4
Independent Variable: VAR7
VAR4 = 79.99726 – 8.027459 VAR7
Sample size: 367
R (correlation coefficient) = -0.05
R-sq = 0.0025044156
Estimate of error standard deviation: 6.0985675

Parameter estimates:

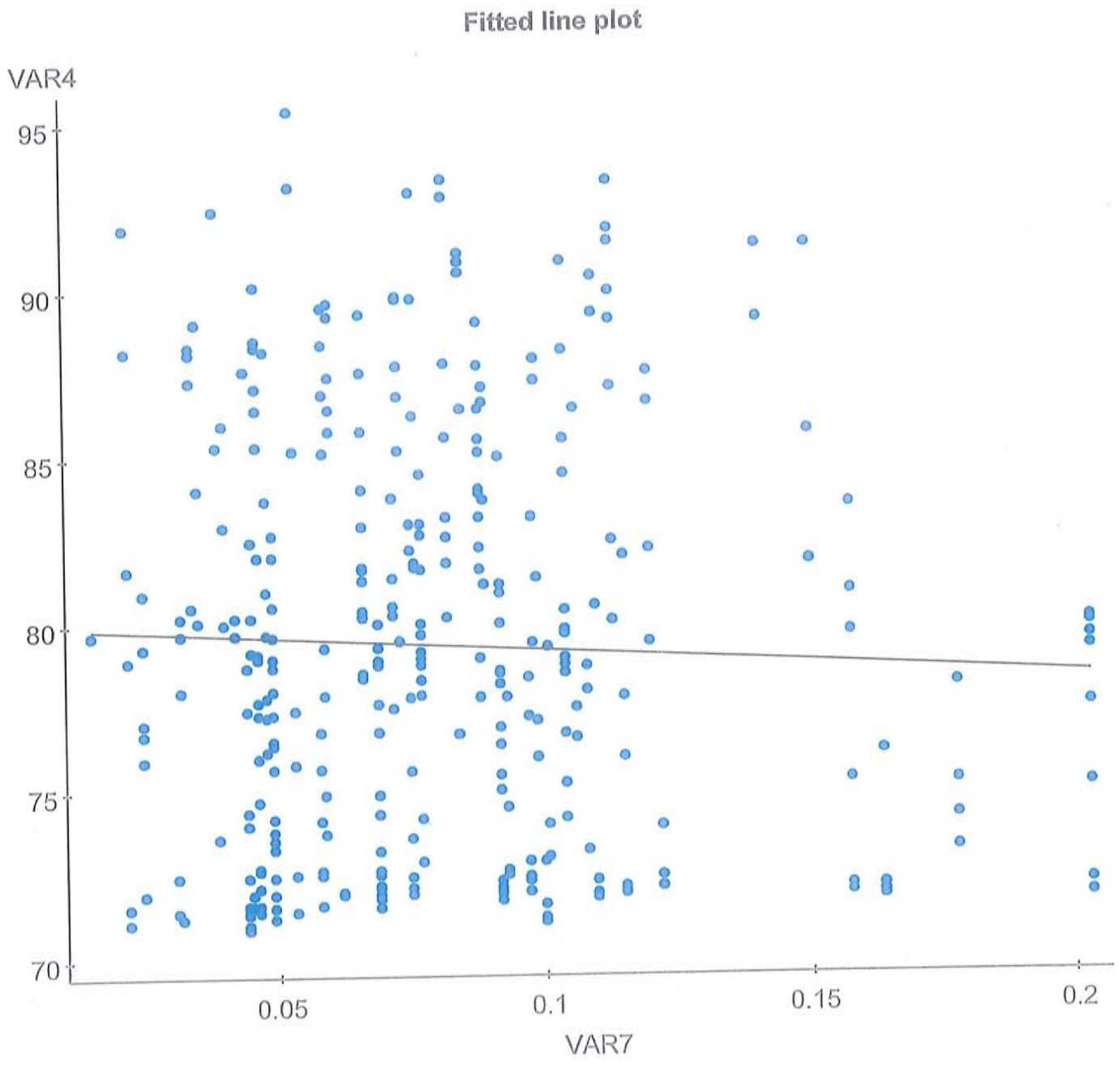
Parameter	Estimate	Std.Err.	DF	95% L. Limit	9% U. Limit
Intercept	79.99726	0.7453987	365	78.53144	81.46307
Slope	-8.027459	8.385596	365	-24.517605	8.4626875

Analysis of variance table for regression model:

Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.062	79.49956	0.35367635	(78.804054, 80.19505)	(67.486664, 91.51244)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Model	1	34.083485	34.083485	0.91640675	0.3391
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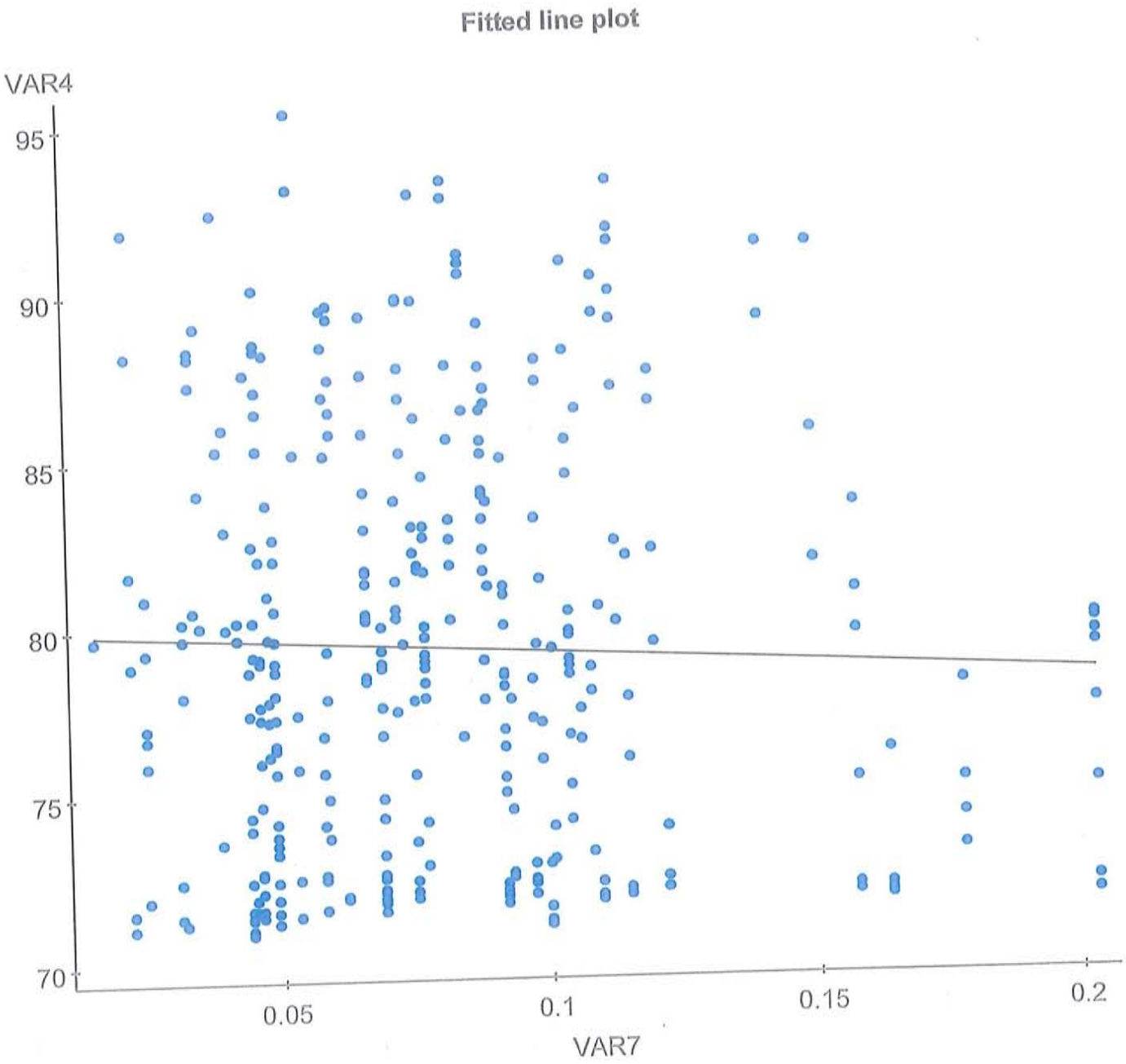
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.089	79.282814	0.3264534	(78.64085, 79.92478)	67.2729, 91.292725)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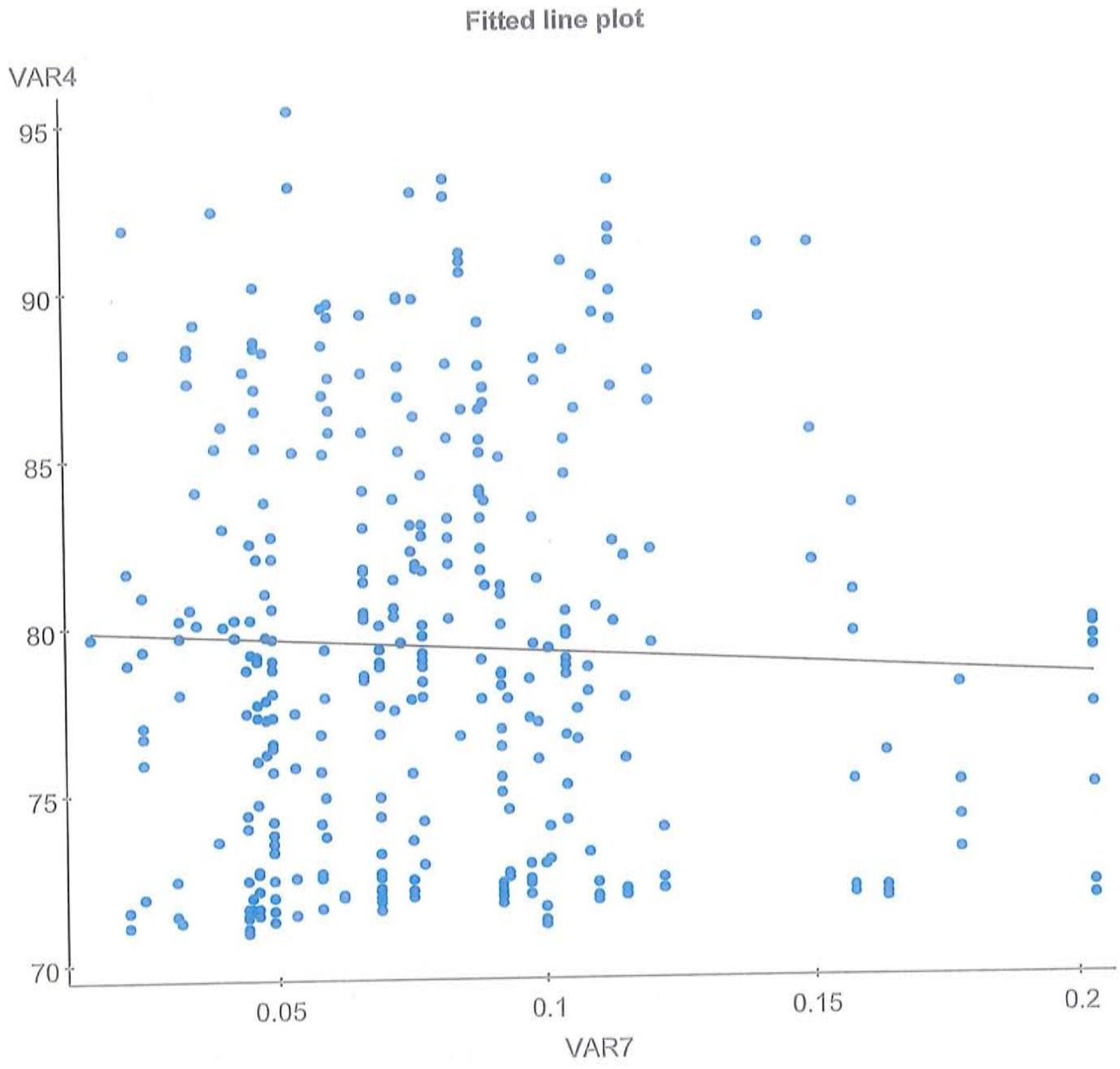
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.049	79.60391	0.41299775	(78.79176, 80.41607)	(67.5837, 91.62412)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Dependent Variable: VAR4
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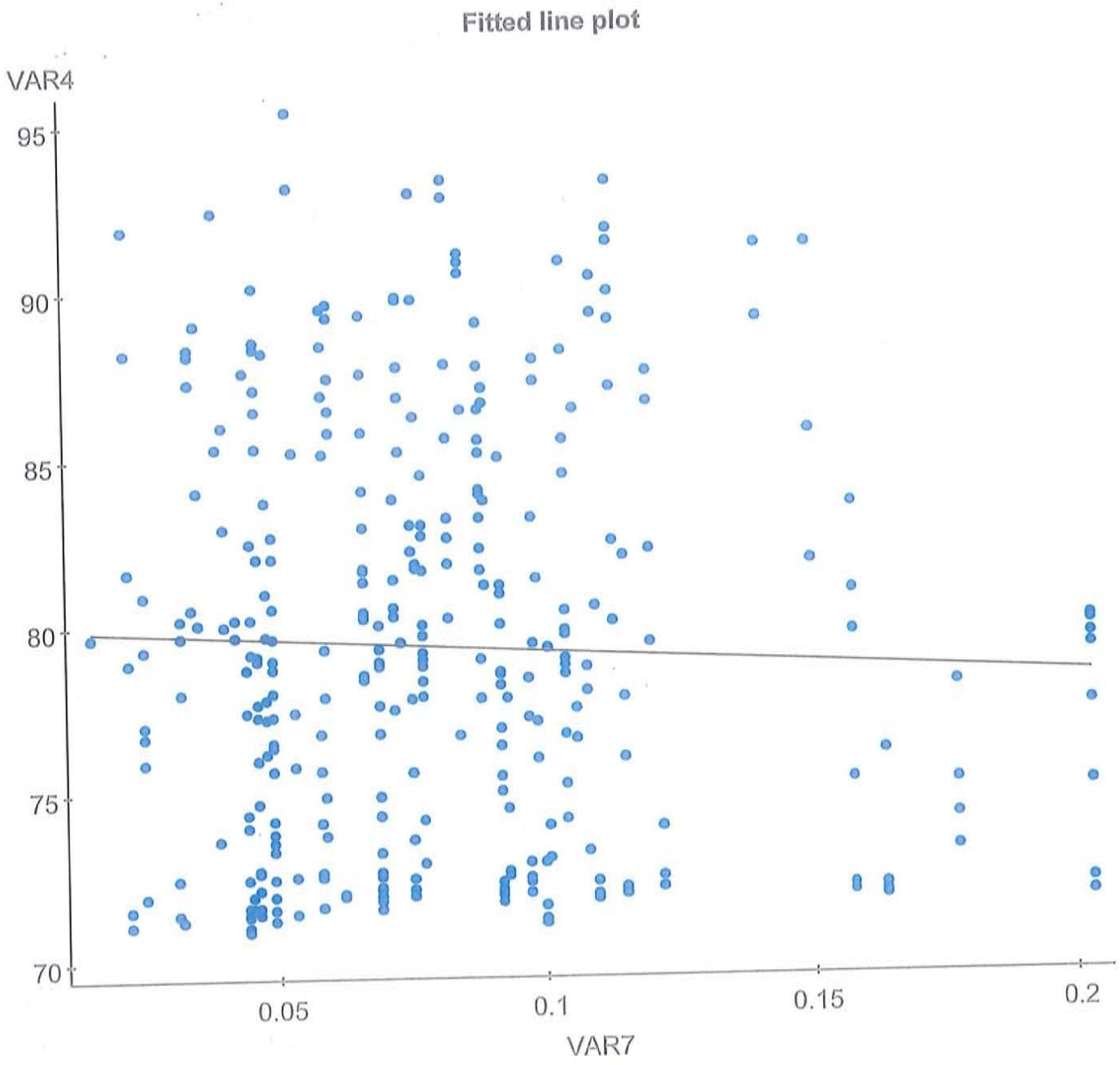
Source	DF	SS	MS	F-stat	P-value
Model	1	34.083485	34.083485	0.91640675	0.3391
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.058	79.53167	0.36952594	(78.805, 80.25833)	(67.51693, 91.5464)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Independent Variable: VAR7
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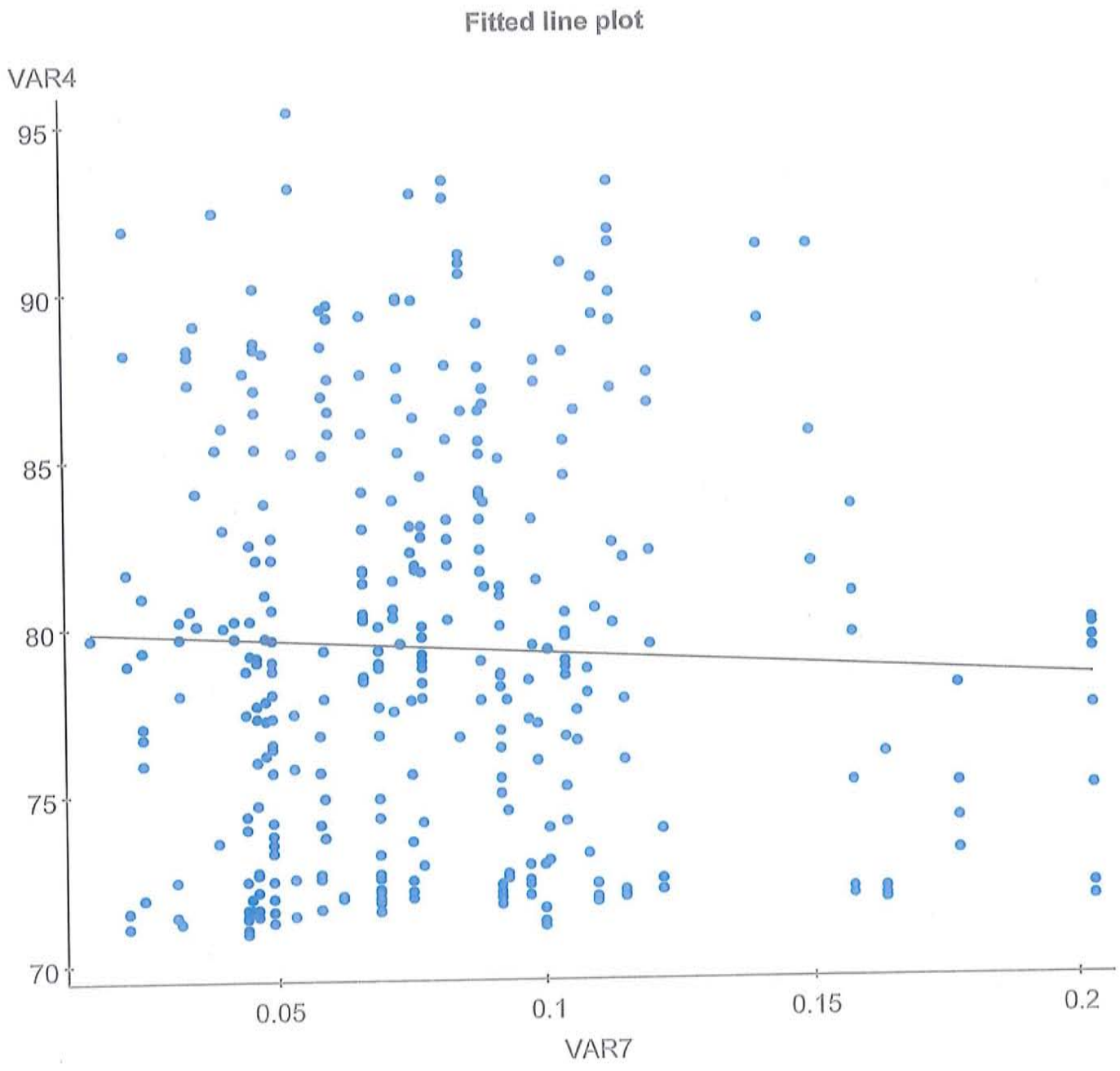
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.093	79.2507	0.33548218	(78.59099, 79.91042)	(67.23984, 91.26157)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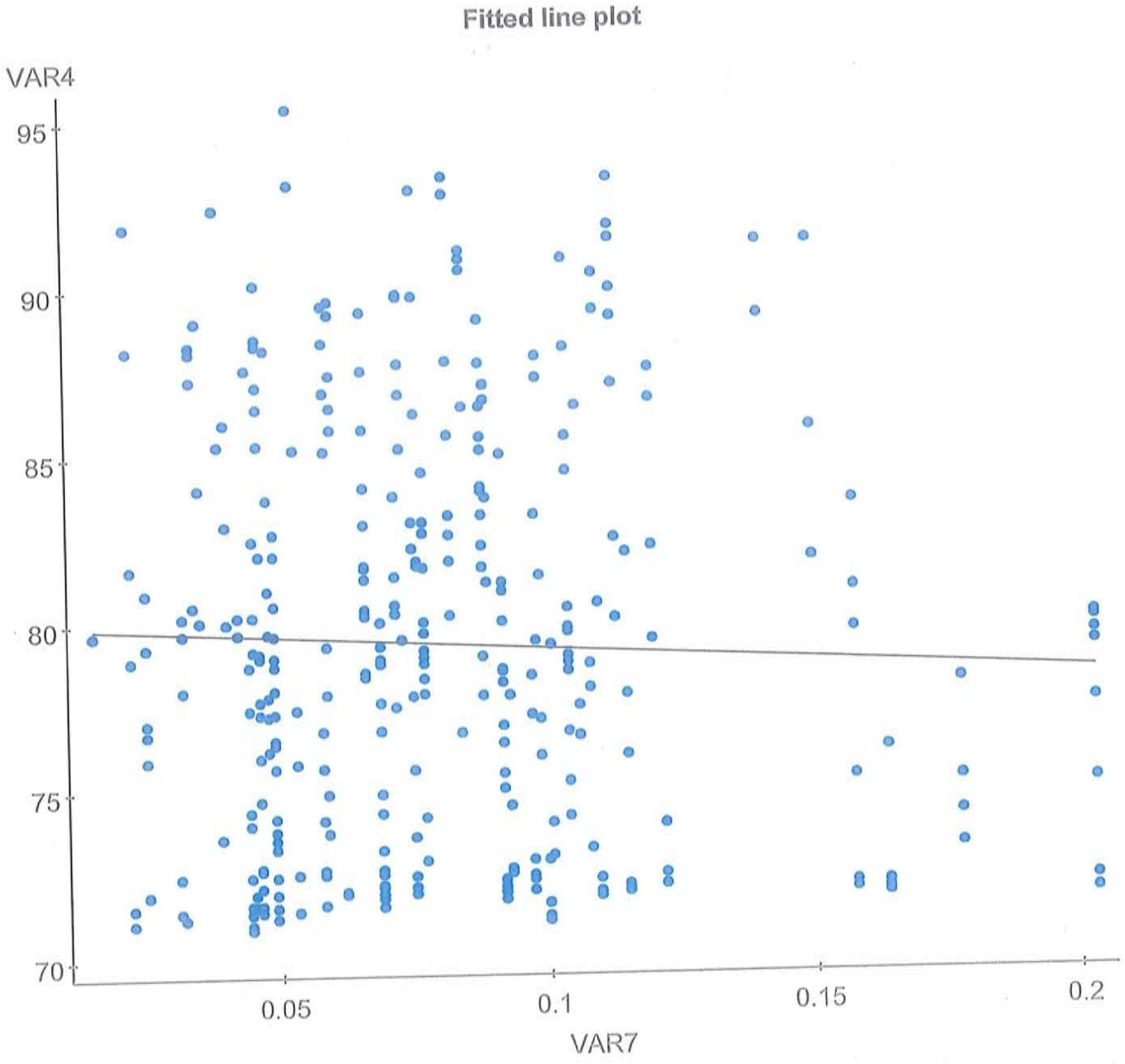
Error	365	13575.272	37.192528		
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.046	79.628	0.42946228	(78.78346, 80.47253)	(67.60556, 91.65044)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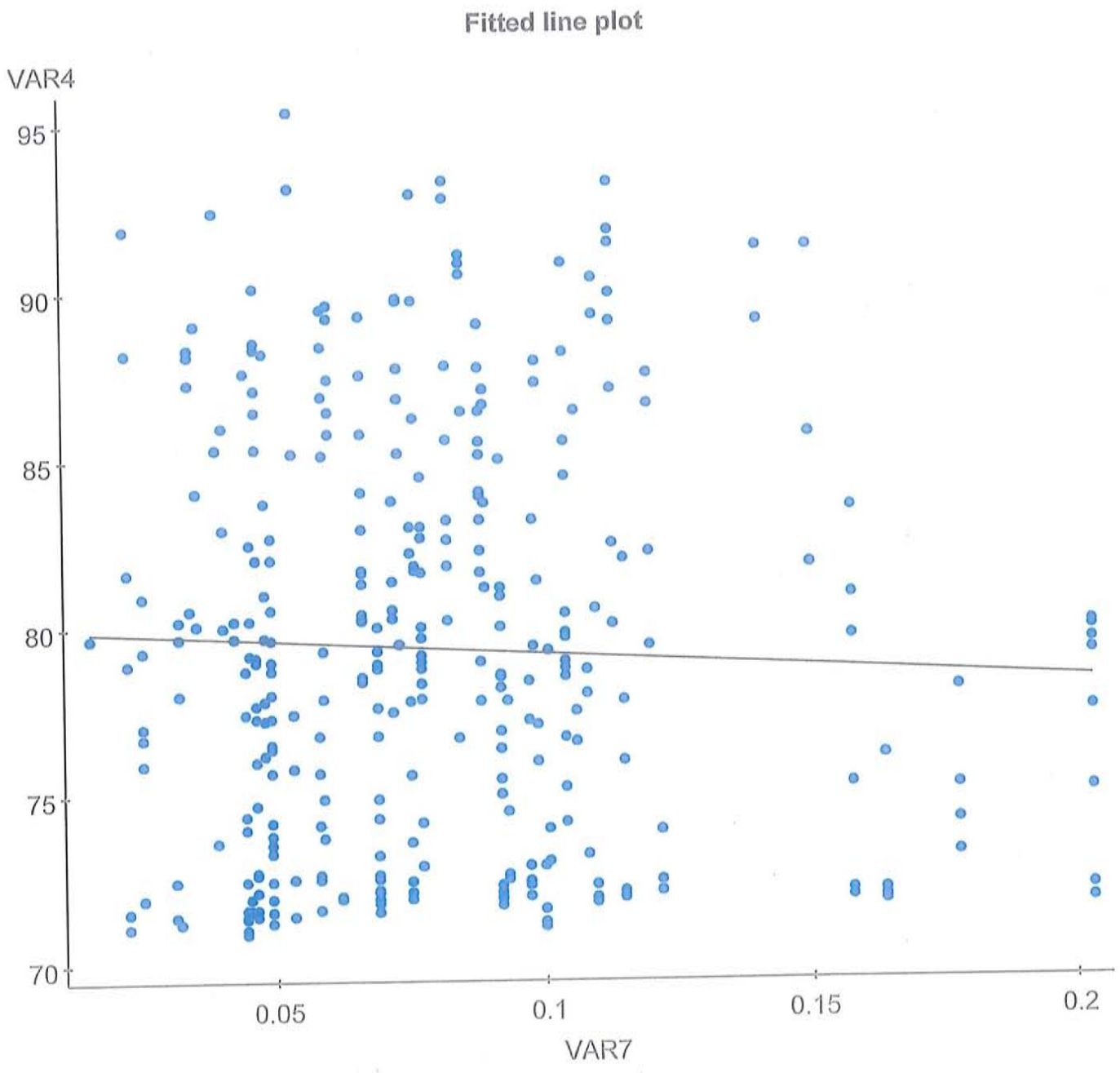
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.101	79.186485	0.3622869	(78.47405, 79.89892)	(67.17261, 91.20037)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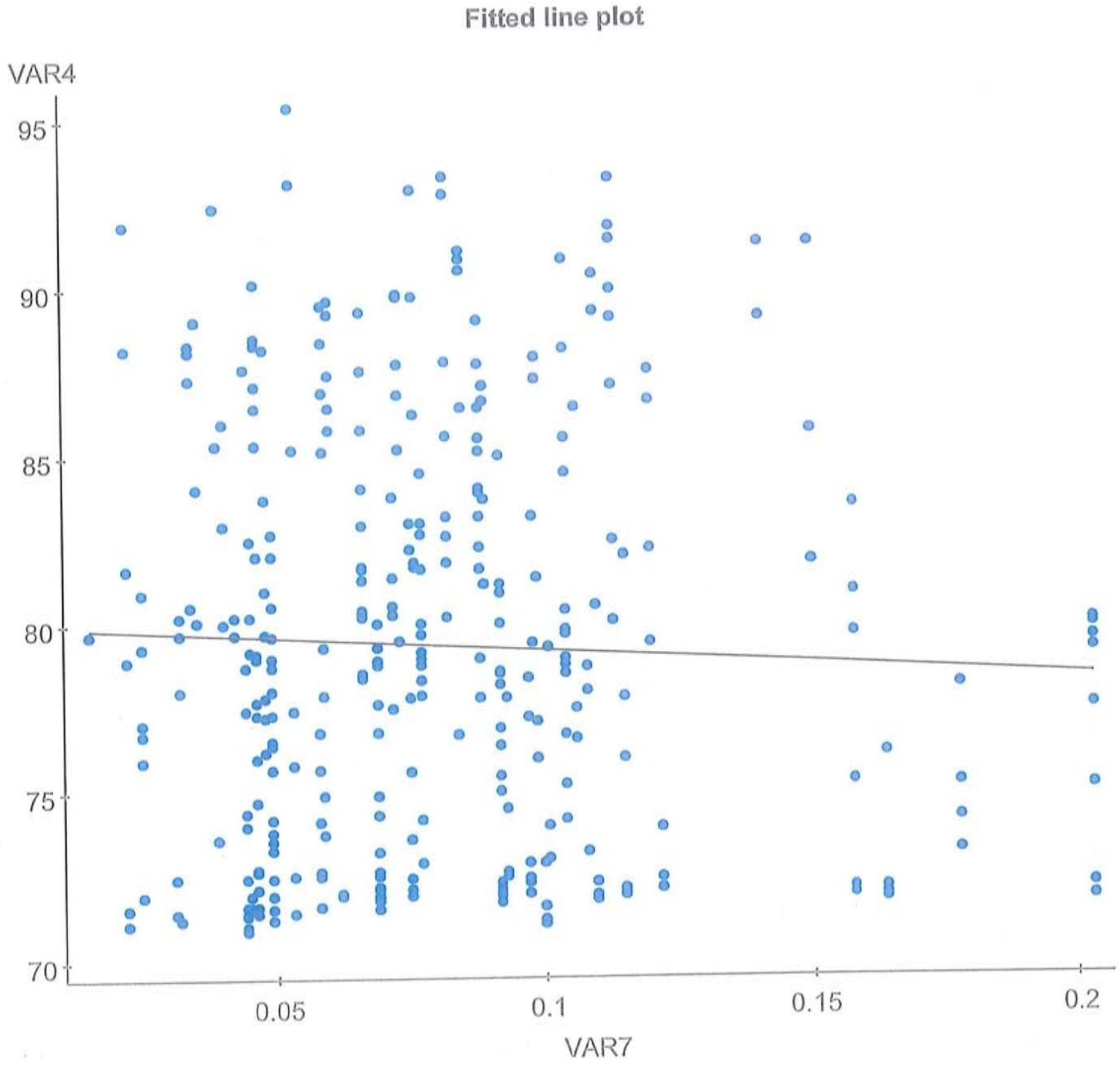
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.076	79.38717	0.32045063	(78.75701, 80.017334)	(67.37789, 91.396454)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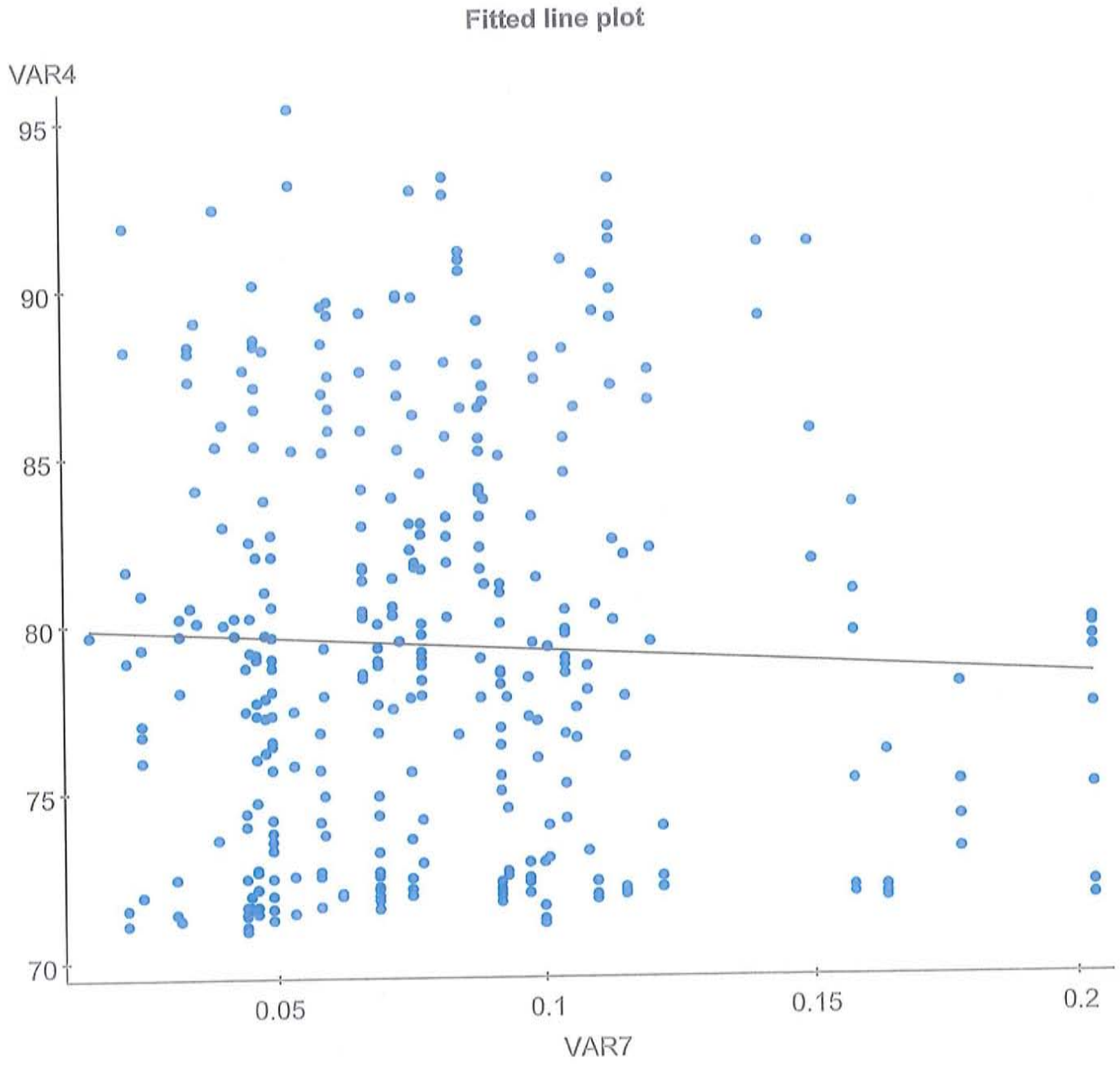
Total	366	13609.356			

Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.039	76.68419	0.47087696	(78.75822, 80.61016)	(67.655754, 91.71262)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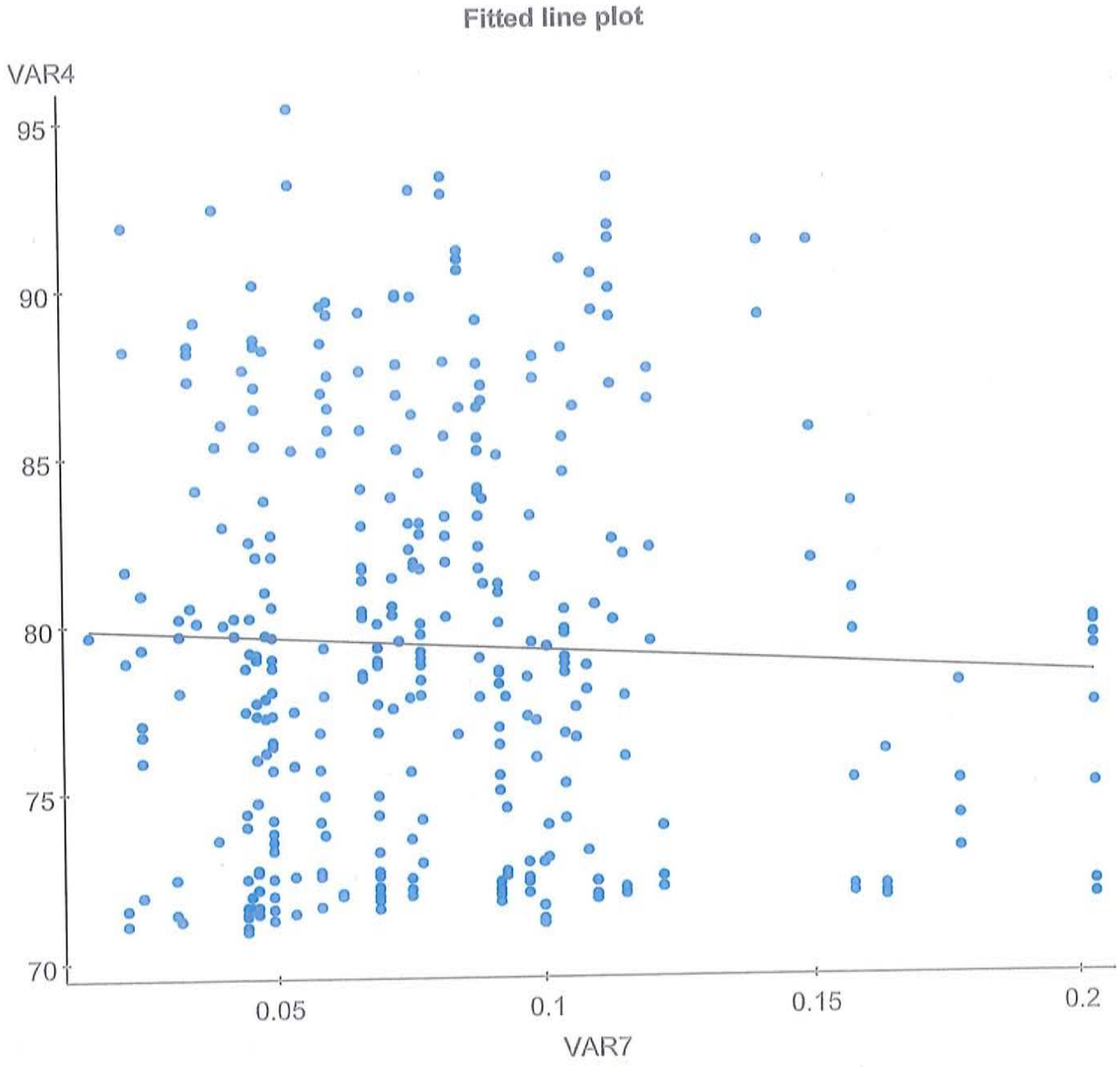
Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.122	79.01791	0.47241113	(78.08892, 79.9469)	(66.98924, 91.04658)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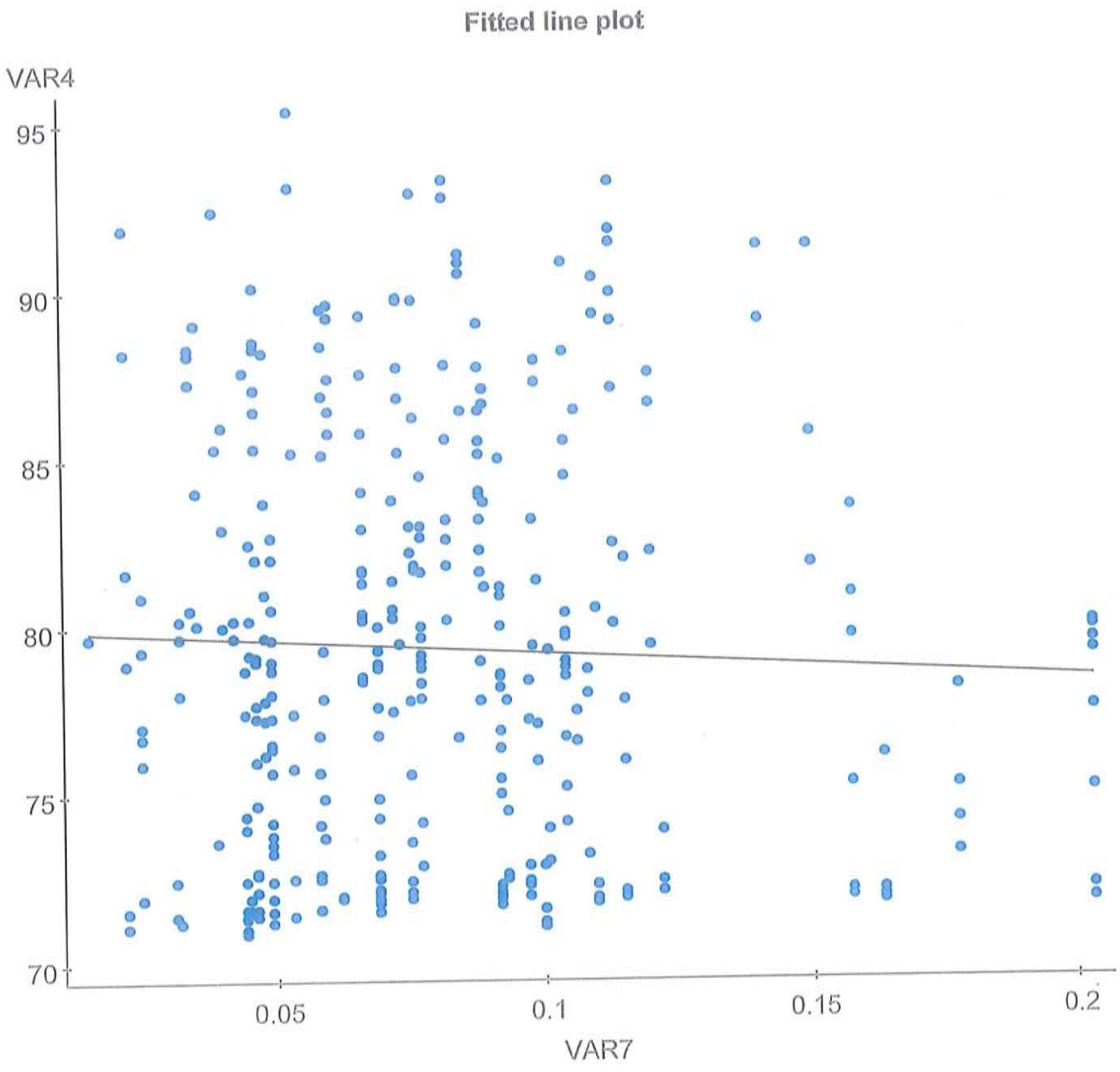
Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.178	78.568375	0.878354	(76.8411, 80.29564)	(66.45188, 90.68486)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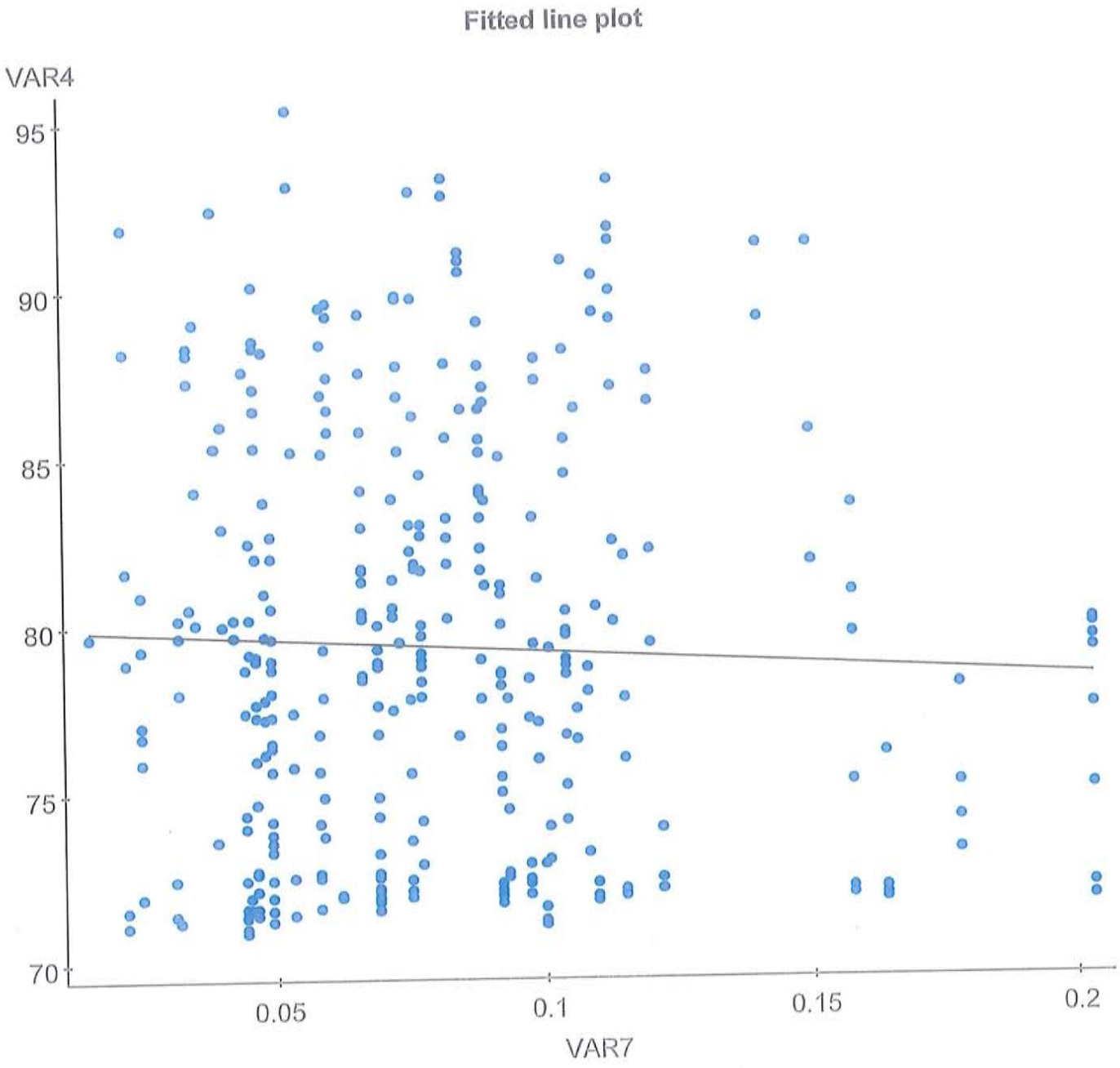
Predicted values:

X value	Pred. Y	s.e.(Pred.y)	95% C.I. for mean	95% P.I. for new
0.077	79.37914	0.31959894	(78.750656, 80.00763)	(67.36995, 91.38834)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