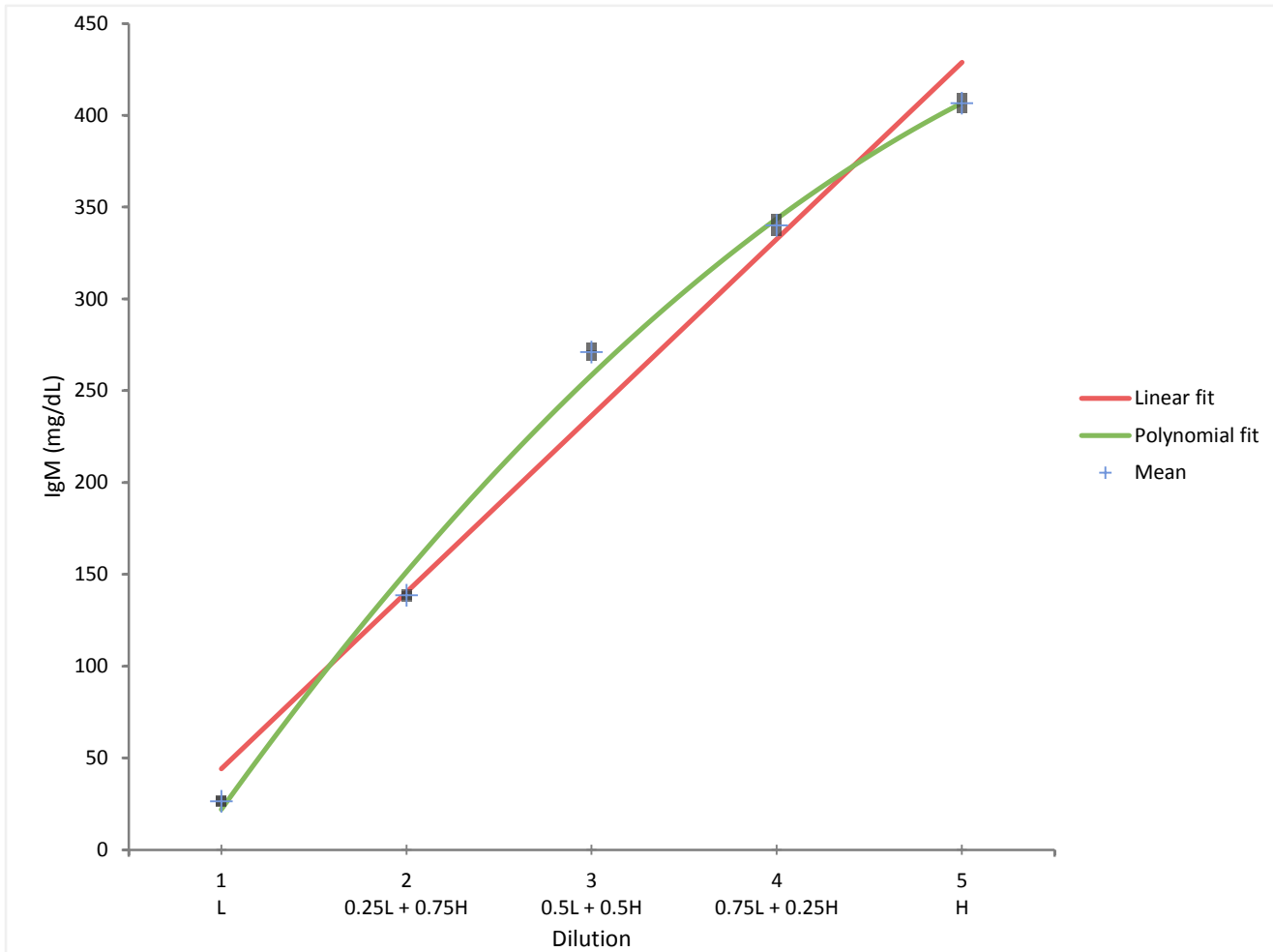


Descriptives

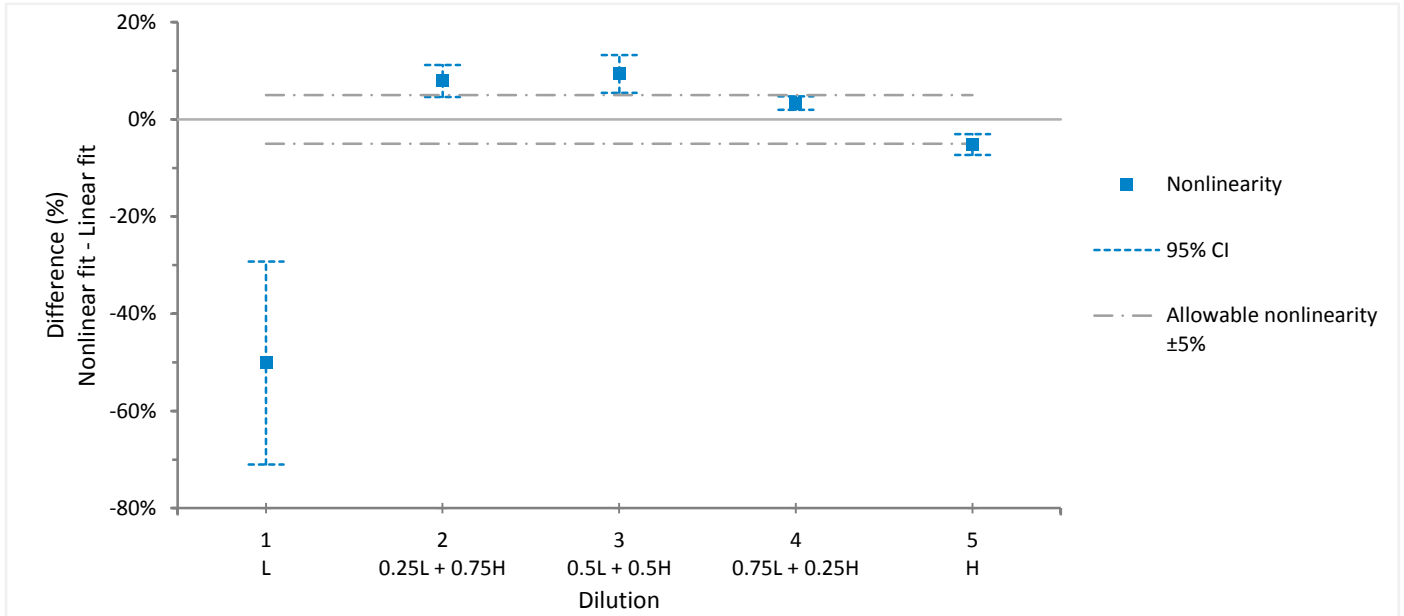


N	10
Design	5 x 2
Measuring interval	26.35 to 406.50

Precision

Dilution	Mean	SD / CV	Allowable imprecision
L	26.35	0.8%	2.0%
0.25L + 0.75H	138.50	0.5%	2.0%
0.5L + 0.5H	271.00	1.0%	2.0%
0.75L + 0.25H	340.00	1.2%	2.0%
H	406.50	0.9%	2.0%

Linearity



Dilution	Linear fit	Nonlinear fit (2nd order polynomial)	Nonlinearity	95% CI	Allowable nonlinearity
1	44.11	22.00	-50.1%*	-71.0% to -29.3%	±5.0%
2	140.29	151.35	7.9%*	4.6% to 11.2%	±5.0%
3	236.47	258.58	9.4%*	5.5% to 13.2%	±5.0%
4	332.65	343.71	3.3%	1.9% to 4.7%	±5.0%
5	428.83	406.72	-5.2%*	-7.3% to -3.0%	±5.0%

* Performance requirement not met.

Fit Model

Linear fit

SE | 22.82

Parameter	Estimate	SE	t	DF	p-value
Constant	-52.07	16.924	-	-	-
X	96.18	5.1028	-	-	-

2nd order polynomial fit

SE | 10.30

Parameter	Estimate	SE	t	DF	p-value
Constant	-129.5	15.624	-	-	-
X	162.5	11.907	-	-	-
X ²	-11.06	1.9469	-5.68	7	0.0008 ¹

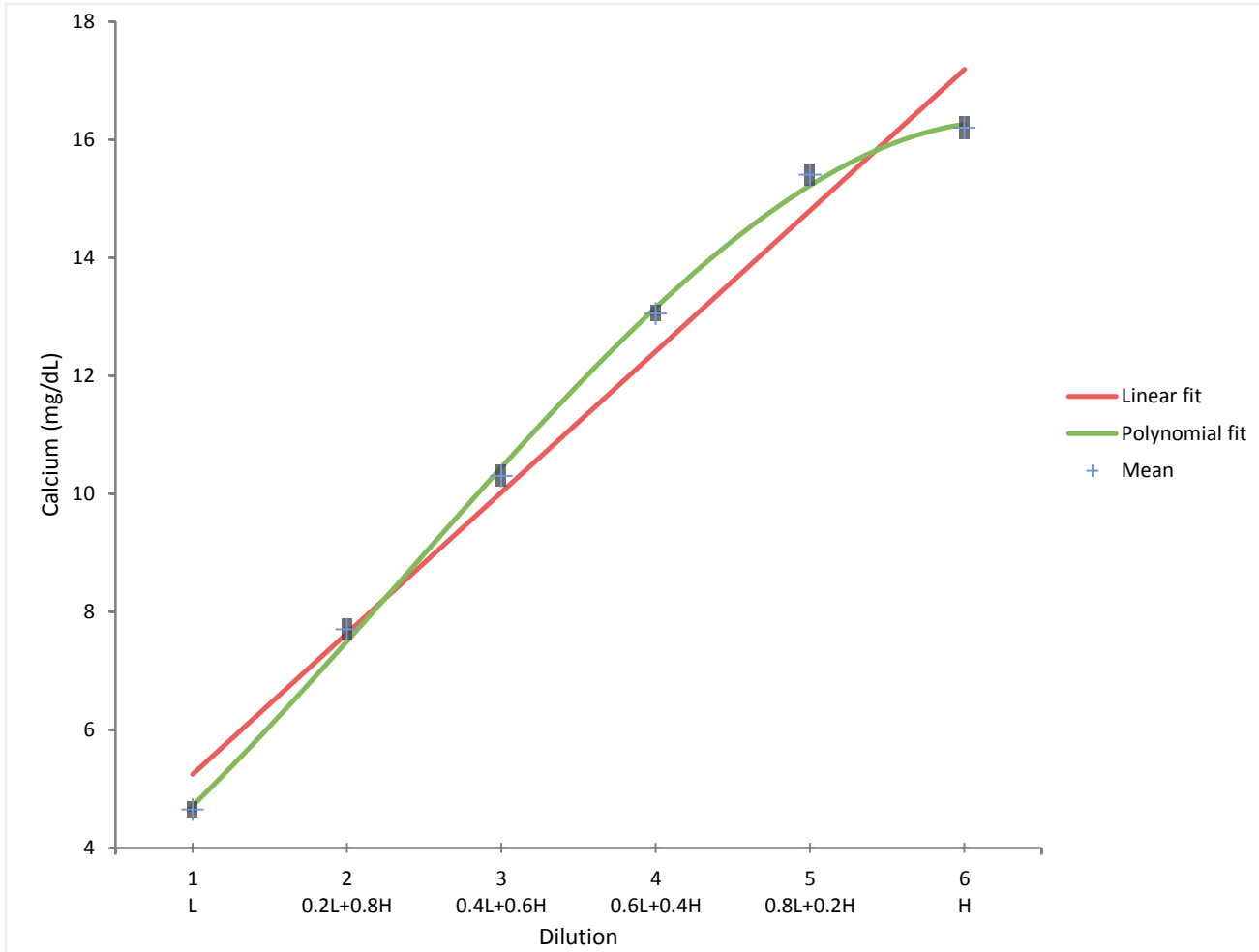
¹ Nonlinear parameter is different from 0 at the 5% significance level.

3rd order polynomial fit

SE | 10.32

Parameter	Estimate	SE	t	DF	p-value
Constant	-97.48	35.884	-	-	-
X	117.6	46.906	-	-	-
X ²	6.080	17.410	0.35	6	0.7388
X ³	-1.904	1.9223	-0.99	6	0.3601

Descriptives

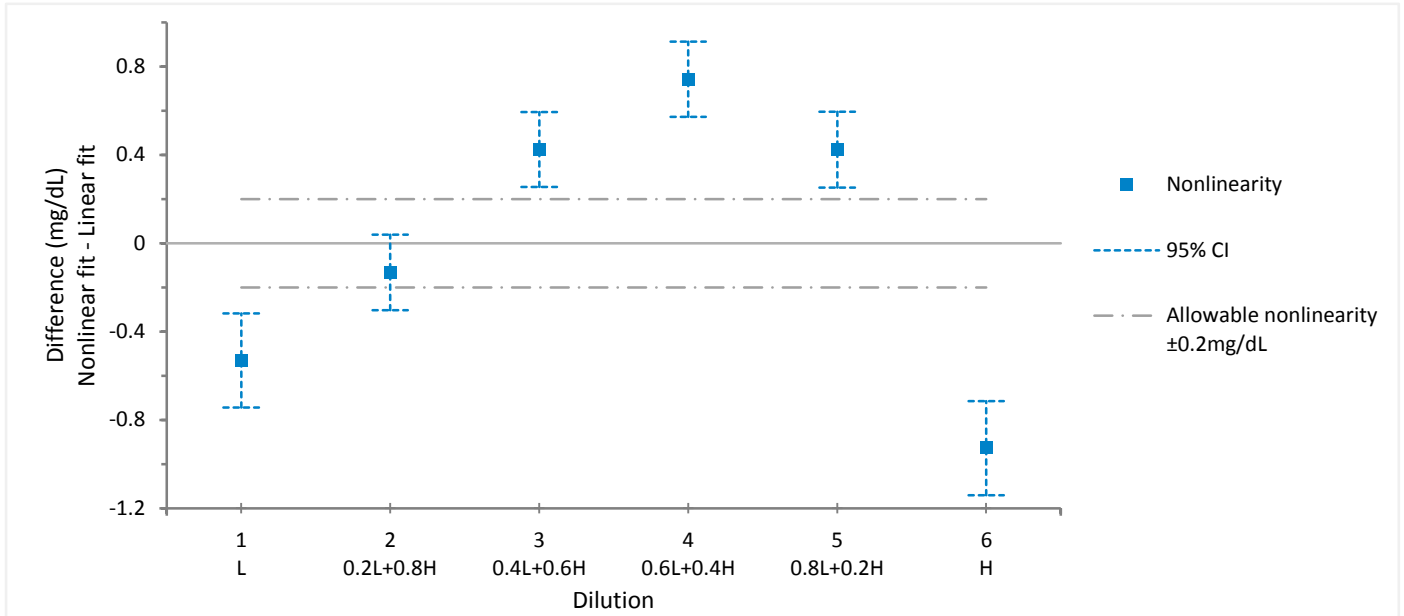


N	12
Design	6 x 2
Measuring interval	4.65 to 16.20

Precision

Dilution	Mean	SD	CV
1	4.65	0.07	1.5%
2	7.70	0.14	1.8%
3	10.30	0.14	1.4%
4	13.05	0.07	0.5%
5	15.40	0.14	0.9%
6	16.20	0.14	0.9%
Pooled		0.12	1.3%

Linearity



Dilution	Linear fit	Nonlinear fit (3rd order polynomial)	Nonlinearity	95% CI	Allowable nonlinearity
1	5.25	4.71	-0.53 *	-0.74 to -0.32	±0.20
2	7.63	7.50	-0.13	-0.30 to 0.04	±0.20
3	10.02	10.45	0.42 *	0.25 to 0.59	±0.20
4	12.41	13.15	0.74 *	0.57 to 0.91	±0.20
5	14.80	15.22	0.42 *	0.25 to 0.60	±0.20
6	17.19	16.26	-0.93 *	-1.14 to -0.72	±0.20

* Performance requirement not met.

Fit Model

Linear fit

SE | 0.67

Parameter	Estimate	SE	t	DF	p-value
Constant	2.857	0.43923	-	-	-
X	2.389	0.11278	-	-	-

2nd order polynomial fit

SE | 0.31

Parameter	Estimate	SE	t	DF	p-value
Constant	0.8150	0.39535	-	-	-
X	3.920	0.25865	-	-	-
X ²	-0.2188	0.036170	-6.05	9	0.0002 ¹

¹ Nonlinear parameter is different from 0 at the 5% significance level.

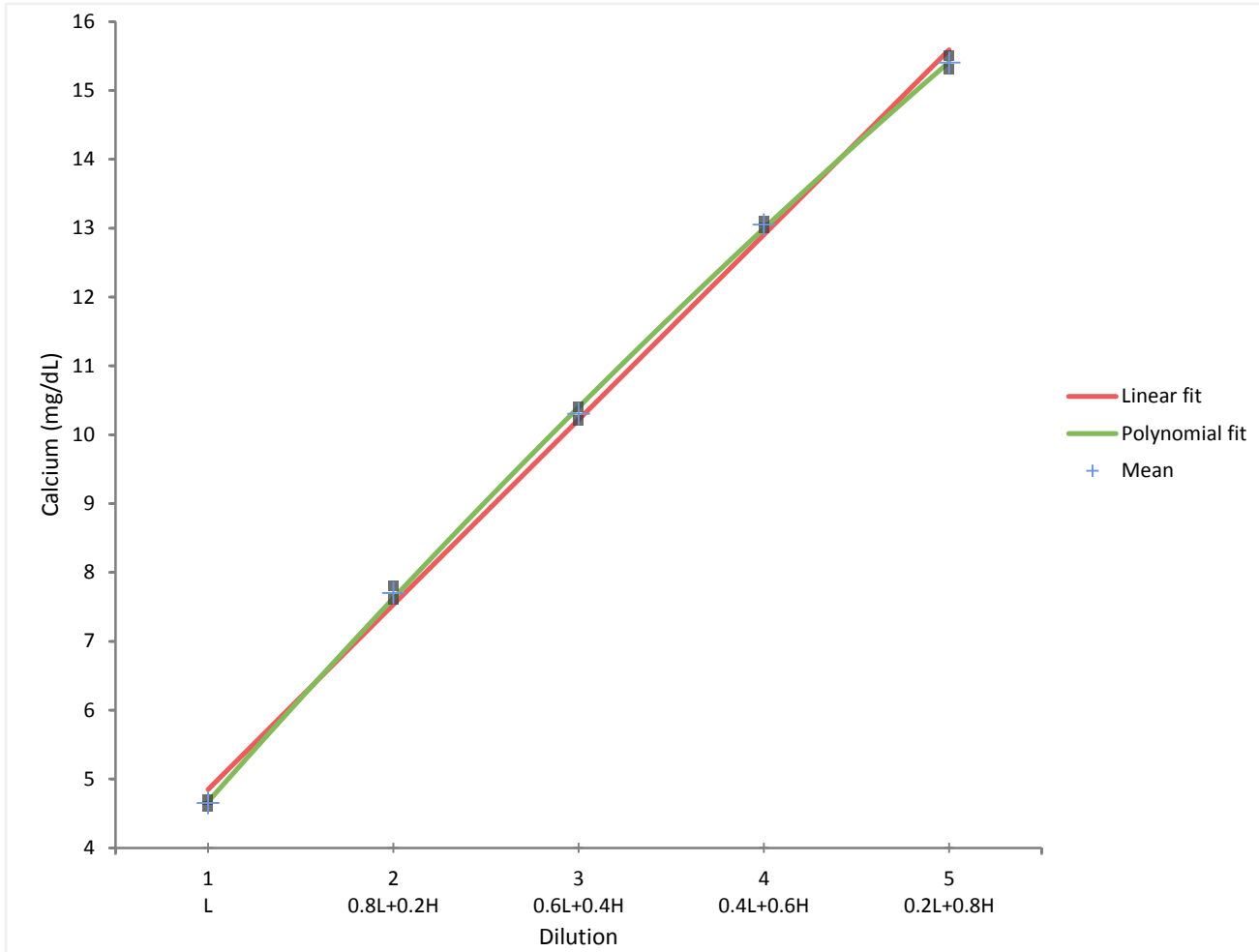
3rd order polynomial fit

SE | 0.20

Parameter	Estimate	SE	t	DF	p-value
Constant	2.483	0.50280	-	-	-
X	1.821	0.57290	-	-	-
X ²	0.4764	0.18332	2.60	8	0.0317 ¹
X ³	-0.06620	0.017324	-3.82	8	0.0051 ¹

¹ Nonlinear parameter is different from 0 at the 5% significance level.

Descriptives

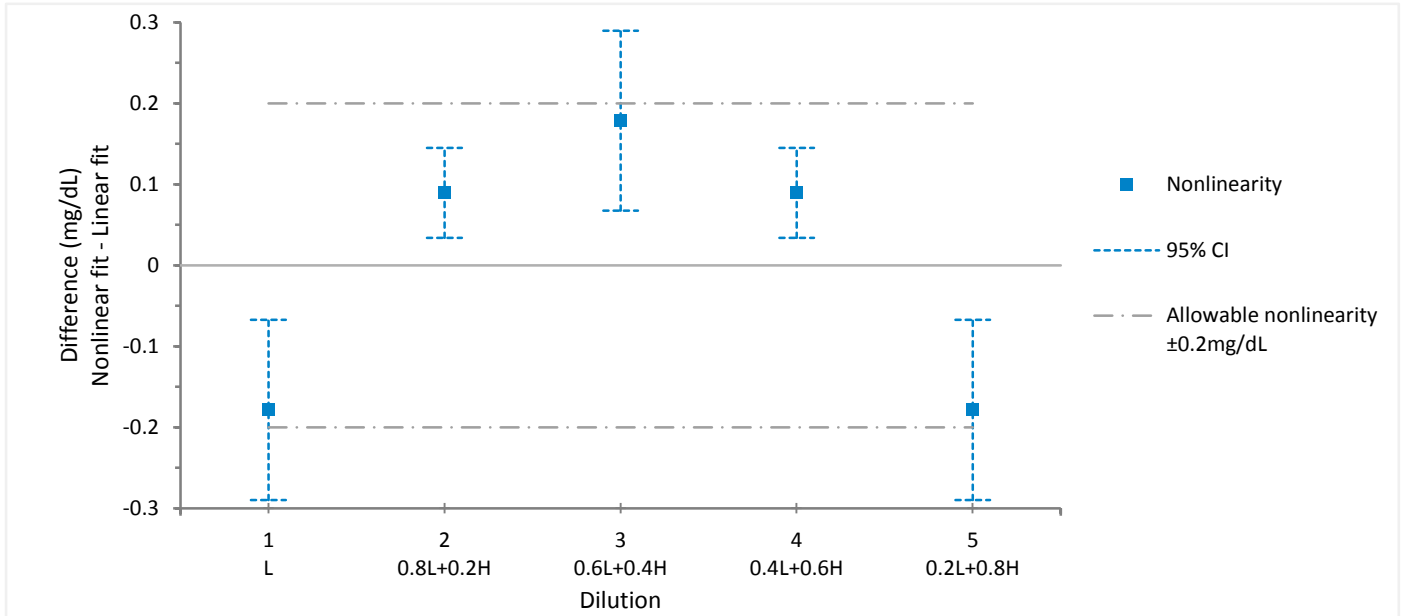


N	10
Design	5 x 2
Measuring interval	4.65 to 15.40

Precision

Dilution	Mean	SD	CV
1	4.65	0.07	1.5%
2	7.70	0.14	1.8%
3	10.30	0.14	1.4%
4	13.05	0.07	0.5%
5	15.40	0.14	0.9%
Pooled		0.12	1.3%

Linearity



Dilution	Linear fit	Nonlinear fit (2nd order polynomial)	Nonlinearity	95% CI	Allowable nonlinearity
1	4.85	4.67	-0.18	-0.29 to -0.07	±0.20
2	7.54	7.62	0.09	0.03 to 0.14	±0.20
3	10.22	10.40	0.18	0.07 to 0.29	±0.20
4	12.91	12.99	0.09	0.03 to 0.14	±0.20
5	15.59	15.41	-0.18	-0.29 to -0.07	±0.20

Fit Model

Linear fit

SE | 0.20

Parameter	Estimate	SE	t	DF	p-value
Constant	2.165	0.15097	-	-	-
X	2.685	0.045518	-	-	-

2nd order polynomial fit

SE | 0.12

Parameter	Estimate	SE	t	DF	p-value
Constant	1.540	0.18863	-	-	-
X	3.221	0.14375	-	-	-
X ²	-0.08929	0.023505	-3.80	7	0.0067 ¹

¹ Nonlinear parameter is different from 0 at the 5% significance level.

3rd order polynomial fit

SE | 0.13

Parameter	Estimate	SE	t	DF	p-value
Constant	1.470	0.46623	-	-	-
X	3.319	0.60943	-	-	-
X ²	-0.1268	0.22620	-0.56	6	0.5954
X ³	0.004167	0.024975	0.17	6	0.8730