

The following table shows the results of the regression analysis for the dependent variable *Y* (in millions of dollars) against the independent variable *X* (in millions of dollars). The regression equation is $\hat{Y} = 0.8X + 1.2$. The coefficient of determination is $R^2 = 0.95$, indicating a very strong positive linear relationship. The standard error of the estimate is 0.5.

<i>X</i> (millions of dollars)	<i>Y</i> (millions of dollars)
1	2.0
2	2.8
3	3.5
4	4.2
5	5.0
6	5.8
7	6.5
8	7.2
9	8.0
10	8.8
11	9.5
12	10.2
13	11.0
14	11.8
15	12.5
16	13.2
17	14.0
18	14.8
19	15.5
20	16.2
21	17.0
22	17.8
23	18.5
24	19.2
25	20.0
26	20.8
27	21.5
28	22.2
29	23.0
30	23.8
31	24.5
32	25.2
33	26.0
34	26.8
35	27.5
36	28.2
37	29.0
38	29.8
39	30.5
40	31.2
41	32.0
42	32.8
43	33.5
44	34.2
45	35.0
46	35.8
47	36.5
48	37.2
49	38.0
50	38.8
51	39.5
52	40.2
53	41.0
54	41.8
55	42.5
56	43.2
57	44.0
58	44.8
59	45.5
60	46.2
61	47.0
62	47.8
63	48.5
64	49.2
65	50.0
66	50.8
67	51.5
68	52.2
69	53.0
70	53.8
71	54.5
72	55.2
73	56.0
74	56.8
75	57.5
76	58.2
77	59.0
78	59.8
79	60.5
80	61.2
81	62.0
82	62.8
83	63.5
84	64.2
85	65.0
86	65.8
87	66.5
88	67.2
89	68.0
90	68.8
91	69.5
92	70.2
93	71.0
94	71.8
95	72.5
96	73.2
97	74.0
98	74.8
99	75.5
100	76.2

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