

Causal Inference from Noise

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Causal Inference with Simple Noise

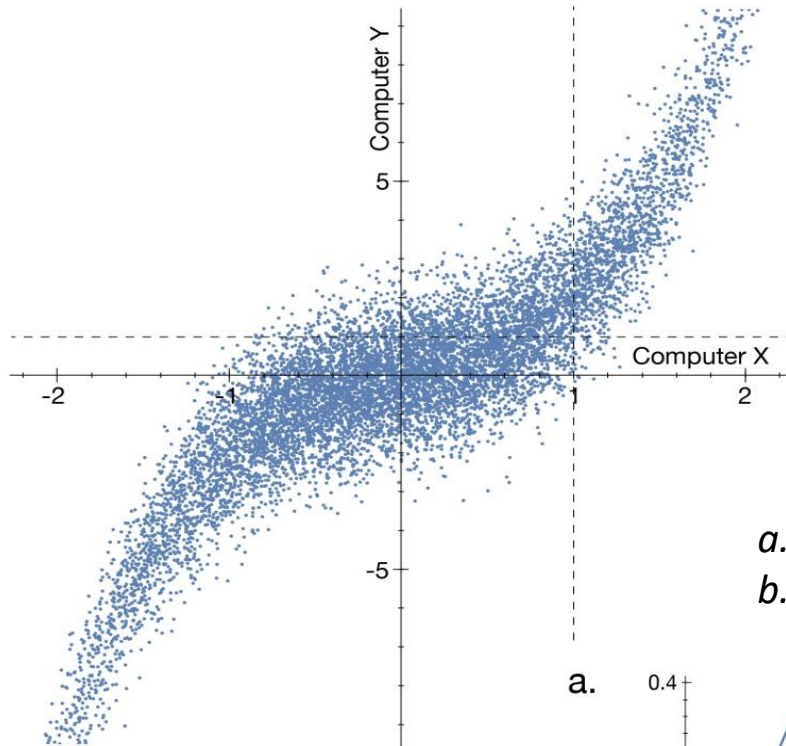
- Case 1: either $y = x^3 + \text{noise}$, or $x = \sqrt[3]{y} + \text{noise}$.

	X	Y
t_1	.5	.125
t_2	-11	-1331
t_3	4	65

- Case 2: either $y = x^3 + \text{noise}$, or $x = \sqrt[3]{y} + \text{noise}$, or $x = z^3 + \text{noise}$ and $y = z^9 + \text{noise}$.

	X	Y
t_1	.5	.125
t_2	-11	-1331
t_3	4	65
t_4	3	8

Causal Inference with Gaussian Noise



- a. The observed distribution of 10,000 y-values when $X = 1$*
- b. The observed distribution of 10,000 x-values when $Y = 1$*

