

Example

Consider oil usage (litre/household) denoted y , given temperature ($^{\circ}\text{C}$) denoted x



5







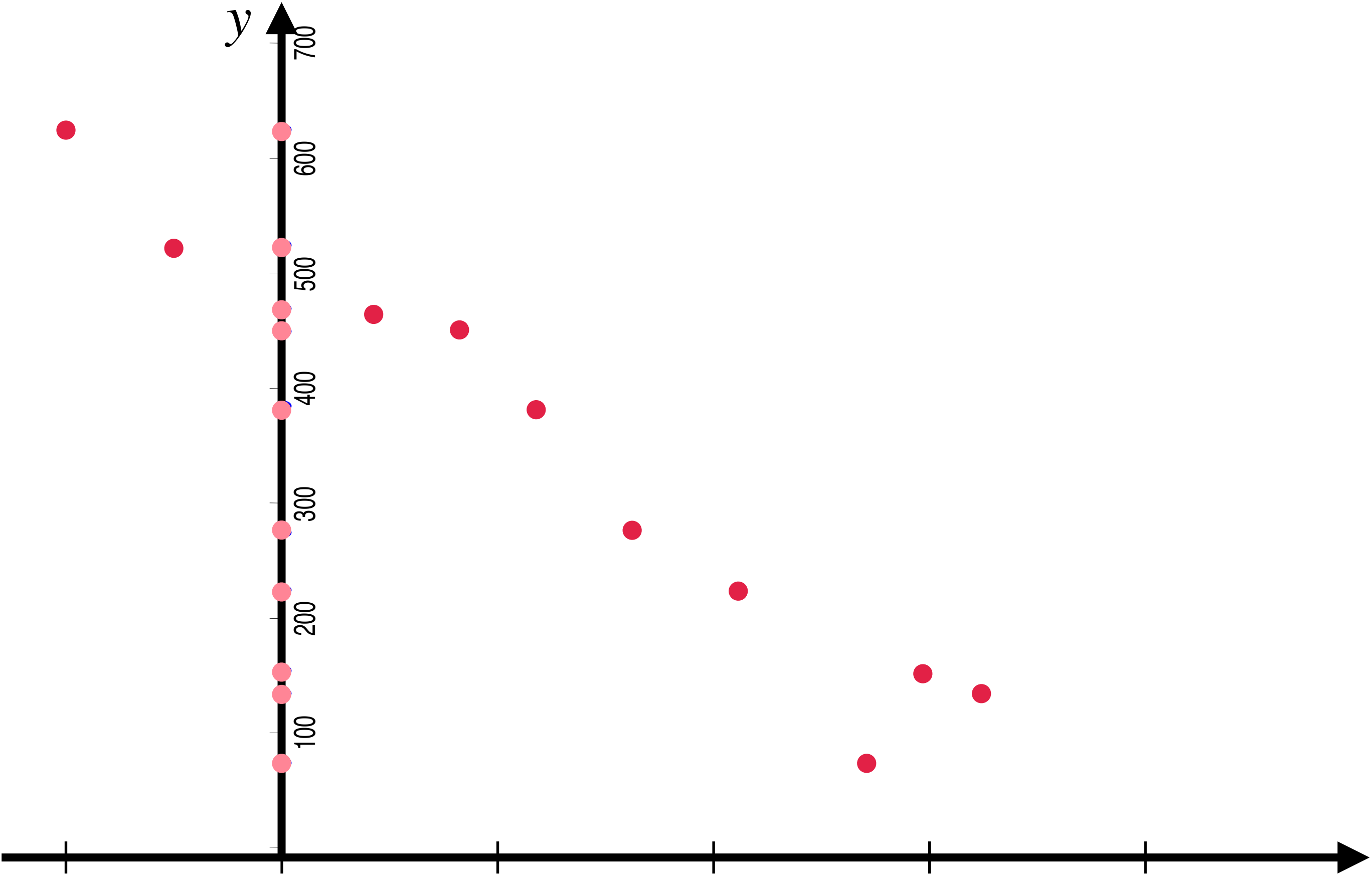
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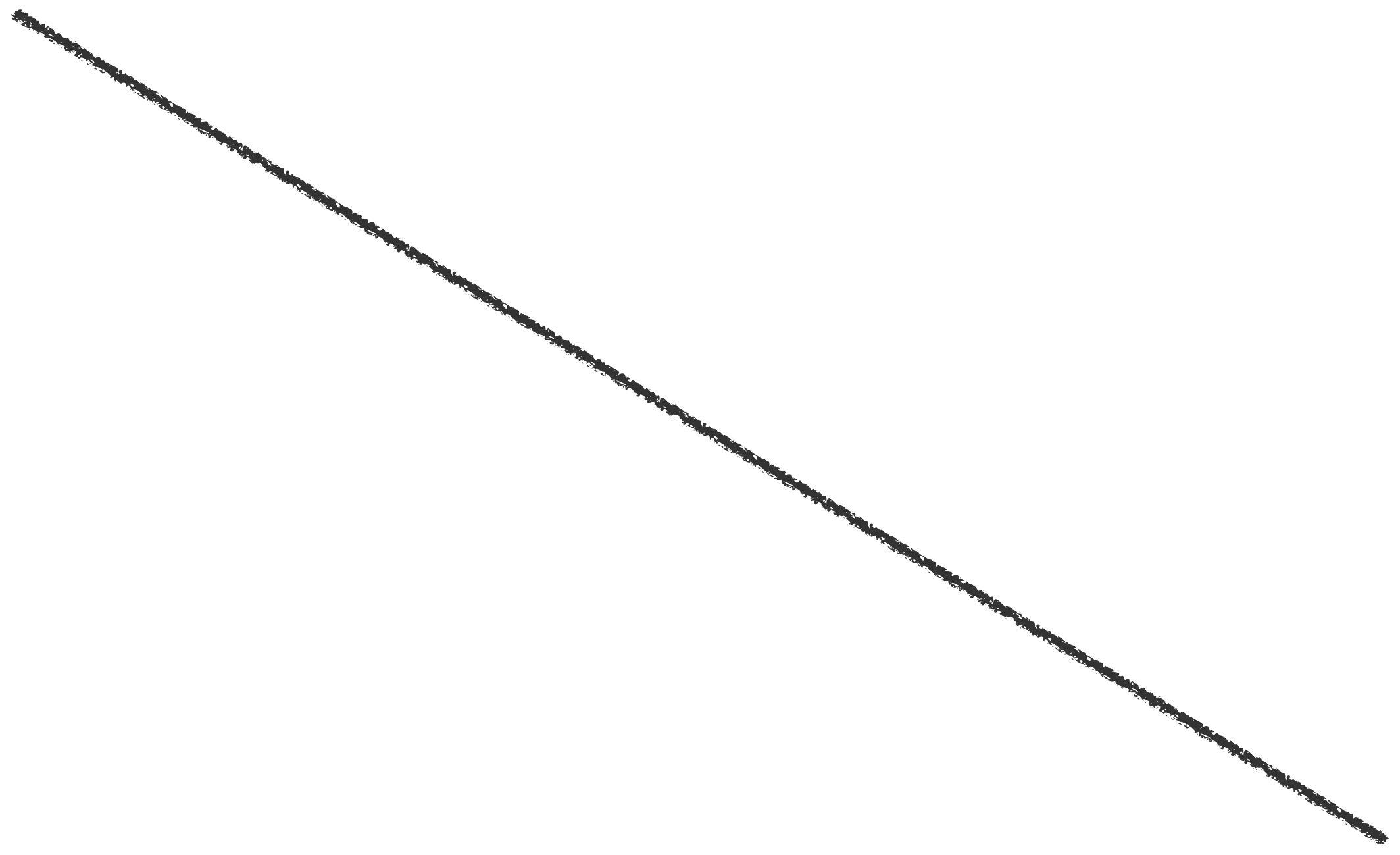
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answer: conditional averages $E(y | x)$

instead of finding the average using marginal distribution

we use conditional distributions

How?

what is our best guess if we know x ?

How?

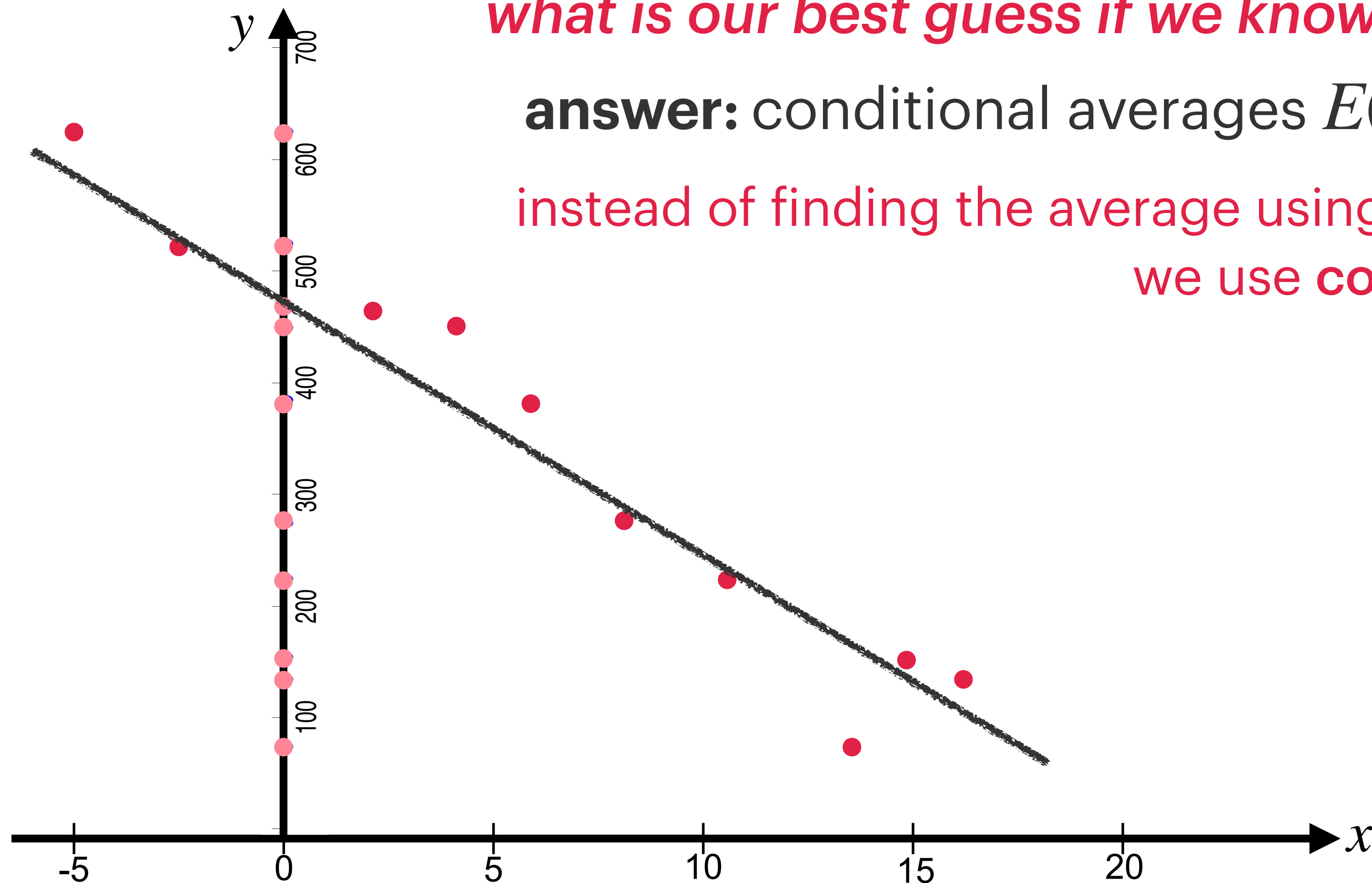
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