



#### A Random Person

But we know probability someone has TB, given they test positive depends on the probability a random person has TB.



lbert R Mever.

April 29, 2016



#### A Random Person?

But you personally are not a random person. Either you have TB, or you don't.



Albert R Meyer,

April 29, 2016

6 9 13 7 12 10 5 3 1 4 14 15 8 11 2

#### A Random Person?

But you personally are not a random person.
Either you have TB, or you don't. Nothing probabilistic about this.



Albert R Meyer

April 29, 2016

12 10 5 3 1 4 14 15 8 11 2

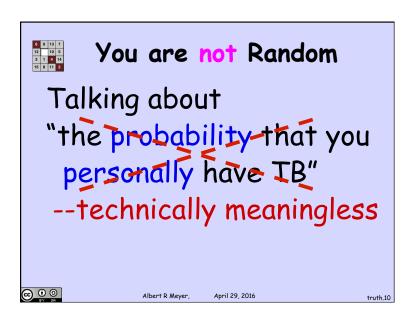
# You are not Random

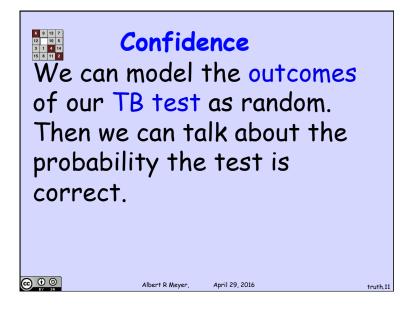
Whether you personally have TB is unknown, but not a random event!

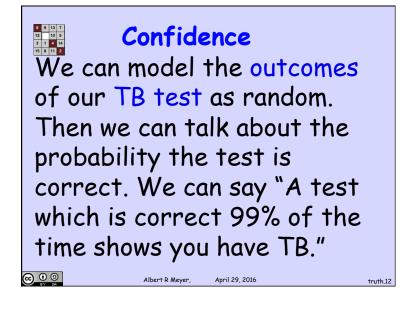
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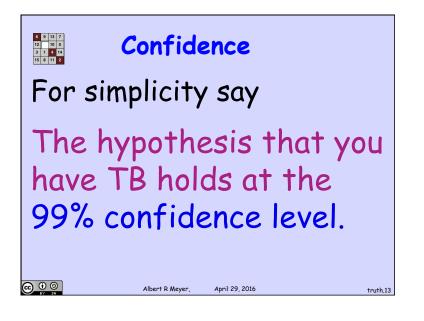
R Meyer, April 29, 2016

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#### Confidence

In other words, either you have TB or something unlikely (1%) happened.



lbert R Meyer,

April 29, 2016

truth 14



#### Confidence

But lots of things happen all the time, and many are unlikely.



Albert R Meyer,

April 29, 2016

truth.15



### Confidence

But lots of things happen all the time, and many are unlikely. The unlikely event may offer little information about TB.

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Albert R Meyer

April 29 2016

truth 16



## Confidence

Claiming a fact holds at a high confidence level, does not mean that it is true or even probable.

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truth 1