Data Give a Good Estimate to the Correct Answer

Plugging in,

$$prob(M|E) = prob(M AND E) / prob(E)$$

= 0.09652 / 0.21137 = 0.4566

If we instead

- ° calculate analytically, assuming fair dice,
- ° we obtain **0.4545**,
- ° so that's a pretty good estimate.

Let's consider a more complex example.