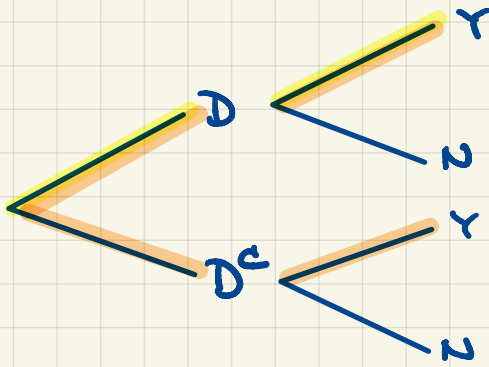


M339G: October 18th, 2024.

Bayes Theorem.



In m362k:

$$P[D|Y] = ?$$

$$\begin{aligned} P[D|Y] &= \frac{P[D \cap Y]}{P[Y]} \\ &= \frac{P[D] \cdot P[Y|D]}{P[D] \cdot P[Y|D] + P[D^c] \cdot P[Y|D^c]} \end{aligned}$$