11/15.

$P(C_i \mid DTBR)$ No Descendence.

$\cdots \times P(B \mid R) \times P(R)$

ALL VARIABLES CONDITIONALLY INDEPENDENT OF NON DESCENDENTS GIVEN PARENTS.

$P(A \mid B) = \frac{P(B \mid A)}{P(B)}$ · (MODEL, EVIDENCE)

$C_1, C_2$: PRIOR

$P(C_i \mid E) = \frac{P(E \mid C_i) \cdot P(C_i)}{P(E)}$

$P(C_i \mid E)$ $P(E \mid C_i)$ ...

$P(E \mid C_i) = P(e_1, e_2, e_3 \mid C_i) \approx P(e_1 \mid C_i) \cdot P(e_2 \mid C_i) \cdot P(e_3 \mid C_i)$.

NAIVE BAYES