

bayes_formula

$$P(\theta|\mathcal{D}, M) = \frac{P(\mathcal{D}|\theta, M)P(\theta|M)}{P(\mathcal{D}|M)}$$

$P(\theta \text{ divides } \{\text{font fixed "D"}\}, M) = \{P(\{\text{font fixed "D"}\} \text{ divides } \theta, M) P(\theta \text{ divides } M)\}$
over $\{P(\{\text{font fixed "D"}\} \text{ divides } M)\}$