

\therefore we normalize the values as if exceeds 1.

\therefore

• For $x = F$

$$\begin{aligned} P(x=F | y_0^1, y_0^2) &= \frac{0.3771}{1.0805} \\ &= 0.3490 \end{aligned}$$

• For $x = M$

$$\begin{aligned} P(x=M | y_0^1, y_0^2) &= \frac{0.3034}{1.0805} \\ &= 0.2808 \end{aligned}$$

• For $x = A$

$$\begin{aligned} P(x=A | y_0^1, y_0^2) &= \frac{0.4}{1.0805} \\ &= 0.3702 \end{aligned}$$

Now adding to check

$$\begin{aligned} &= P(x=F | y_0^1, y_0^2) + P(x=M | y_0^1, y_0^2) + P(x=A | y_0^1, y_0^2) \\ &= 0.3490 + 0.2808 + 0.3702 \\ &= 1. \end{aligned}$$