

$$\begin{aligned}
\frac{\hat{\pi}_i}{1 - \hat{\pi}_i} &= e^{\hat{\beta}_0} \times e^{\hat{\beta}_1(k+1)} \\
&= e^{\hat{\beta}_0} \times e^{\hat{\beta}_1(k) + \hat{\beta}_1} \\
&= e^{\hat{\beta}_0} \times e^{\hat{\beta}_1(k)} \times e^{\hat{\beta}_1}
\end{aligned}$$