$$\hat{q}_{n,t}(x) = \frac{\sum_{i=1}^{n} \exp\left(-\left\|\frac{x-X_{i,t}}{h_n}\right\|^2/2\right) \cdot \hat{Y}_{i,t}}{\sum_{j=1}^{n} \exp\left(-\left\|\frac{x-X_{j,t}}{h_n}\right\|^2/2\right)} = \frac{\sum_{i=1}^{n} \exp\left(-\frac{\|x-X_{i,t}\|^2}{2h_n^2}\right) \cdot \hat{Y}_{i,t}}{\sum_{j=1}^{n} \exp\left(-\frac{\|x-X_{j,t}\|}{2h_n^2}\right)}$$

$$h = \min\left(\frac{1}{n-n_1} \sum_{i=n_1+1}^{n} |m_{n_1,p}(X_i) - Y_i|^2\right) \tag{3.1}$$