Conditional Likelihood

$$Z(\underline{B}) = \frac{N}{n} \left[f_1(\underline{x}_{n,\underline{B}}) \right]^{\underline{y}_{\underline{n}}} \left[1 - f_1(\underline{x}_{n,\underline{B}}) \right]^{\underline{-y}_{\underline{n}}}$$

$$f_1(\underline{x}_{n,\underline{B}}) \qquad |-f_1(\underline{x}_{n,\underline{B}})|$$

$$= f(\underline{H}_1|\underline{x}_n) \qquad = |-f(\underline{H}_1|\underline{x}_n) = f(\underline{H}_0|\underline{x}_n)$$

Conditional Log-Likelihood

Conditional Log-Likelinous (
$$\underline{A}$$
) = $|n \times I| = \sum_{n=1}^{N} \{ y_n | n f_1(x_{n,2}) + (1-y_n) | n [1-f_1(x_{n,2})] \}$

$$= \sum_{n=1}^{N} \{ y_n | n f_1(x_{n,2}) + |n[1-f_1(x_{n,2})] - y_n | n[1-f_1(x_{n,2})] \}$$

$$= \sum_{n=1}^{N} \{ y_n (|n f_1(x_{n,2})| - |n[1-f_1(x_{n,2})]) + |n[1-f_1(x_{n,2})] \}$$

$$= \sum_{n=1}^{N} \{ y_n | n [\frac{f_1(x_{n,2})}{1-f_1(x_{n,2})}] + |n[1-f_1(x_{n,2})] \}$$

$$= \sum_{n=1}^{N} \{ y_n (|x_n|^2 - f_1(x_{n,2})) + |n[1-f_1(x_{n,2})] \}$$

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