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Iterative weighted best squies Algorithm
                                                         b^{(m)} = (\chi^{T} W \times)^{-1} \chi^{T} W = 
b_{(i)} : \frac{1}{u(x)} \left( \frac{\partial h_{i}}{\partial \eta_{i}} \right)^{2} \qquad Z_{i} = \underbrace{\mathcal{E}}_{h_{2i}} \chi_{i, h} b_{h}^{(m-1)} + (y_{i} - \mu_{i}) \left( \frac{\partial h_{i}}{\partial \eta_{i}} \right) 
b_{(i)} : \frac{1}{u(x)} \left( \frac{\partial h_{i}}{\partial \eta_{i}} \right)^{2} \qquad Z_{i} = \underbrace{\mathcal{E}}_{h_{2i}} \chi_{i, h} b_{h}^{(m-1)} + (y_{i} - \mu_{i}) \left( \frac{\partial h_{i}}{\partial \eta_{i}} \right) 
                                                                                                                                                                                                                                        evelette e 6 mm-1)
a + b) (on compte >
c) fit bla w/ y: - Poisson (A) + $69-1749 +
                                  9(pi) = 9/1i) = Pa(li) = B, + Paxi = hi
                 \begin{array}{c} \times = \left[\begin{array}{c} \left\{\begin{array}{c} b_{1}(i) \\ b_{2}(i) \\ \vdots \\ b_{m}(i) \end{array}\right\} \\ \left\{\begin{array}{c} b_{1}(i) \\ b_{2}(i) \\ \vdots \\ b_{m}(i) \end{array}\right\} \end{array}
                  -> W :: V(Y) ( 3 0; )2
                               = e^{\lambda(\mu_i)} = \beta_i + \beta_i \times_i = \beta_i
= \lambda(\mu_i) = e^{\lambda(i)}
\Rightarrow \frac{\partial \mu_i}{\partial x_i} = e^{\lambda(i)} \quad (\frac{d}{dx} e^{\lambda_i} + e^{\lambda_i})
= e^{-\lambda^{T} p} \left( \left( e^{\lambda(i)} \right)^{T} \right)^{2} : (v(\gamma_i) = \lambda) = e^{-\lambda^{T} p}
= e^{-\lambda^{T} p} e^{2\eta j}
= e^{\lambda^{T} p}
= e^{\lambda^{T} p}
                                                               -> la(pn) = B. + Paxi = ni
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$$2_{i} = x^{T} \beta + \frac{|y_{i} - A_{i}|}{e^{x^{T} \beta}} \left(\frac{\partial u_{i}}{\partial A_{i}} \right)$$

$$= x^{T} \beta + \frac{y_{i} - e^{x^{T} \beta}}{e^{x^{T} \beta}}$$

$$= x_{i}^{T} \beta + \frac{x_{i}}{e^{x^{T} \beta}} - 1$$

4.1)

->
$$p_0$$
 + k in k function -> $l_0(E(x_0)) = l_0(e(x_0))$ l_0 - l_0 in k - l_0 - l_0

c)
$$\rightarrow f(y|0)$$
: $\theta \in \frac{\theta y}{2}$
 $= exf \left\{ \frac{1}{2} \frac{1}{2} (e^{-iy}) \right\}$
 $= exf \left\{ \frac{1}{2} \frac{1}{2} (e^{-iy}) - \frac{\theta y}{2} \right\}$
 $\Rightarrow U(y)$: $\frac{e^{-i(x)}}{e^{-i(x)}} = \frac{-(f_1(x))^2}{(f_1(x))^2} = \frac{e^{-i(x)}}{e^{-i(x)}}$
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= fird MLE

-) Algorith = /which spectrum +
$$\rightarrow E(Y; | : A; : A(P)$$

 $g(A;) : e^{A;} : e^{A(P)} : P : N;$

$$\Rightarrow b^{(m)} = (x^T \cup x)^{-1} x^T \cup q$$

$$\Rightarrow x = \begin{bmatrix} \frac{1}{2} \\ \frac{1}{2} \end{bmatrix}$$

$$\Rightarrow w_n = \frac{1}{\sqrt{(y_2)}} \left(\frac{2 h_1}{2 \eta_1} \right)^2 \quad \mu_1 = h_1(\eta_2)$$

$$= \frac{1}{c^2} \left(\frac{1}{p} \right)^2$$

$$\Rightarrow 2i = x_1 \beta + (y_1 - \mu_1(p)) \beta$$

$$= \beta \left(x_1 + y_2 - h_1(p) \right)$$

$$\Rightarrow 3i = \mu_1(x_1 + y_2 - h_1(p))$$

$$\begin{array}{lll}
 & \text{if } | p \rangle = \sqrt{\frac{1}{16 \cdot c^2}} & \text{exp} \left\{ -\frac{1}{2c^2} \left(y_1 - h(p) \right)^2 \right\} \\
 & \text{if } | p \rangle = \left(\exp \left\{ -\frac{1}{2} \int_{\mathbb{R}^2} \left(2\pi e^2 \right) - \frac{1}{2c^2} \left(7i - h(p) \right)^2 \right\} \\
 & \text{if } | e^2 \rangle = \exp \left\{ -\frac{1}{2} \int_{\mathbb{R}^2} \left(2\pi e^2 \right) - \frac{1}{2c^2} \left(7i - h(p) \right)^2 \right\} \\
 & \text{if } | e^2 \rangle = \left(\frac{1}{2} \int_{\mathbb{R}^2} \left(2\pi e^2 \right) - \frac{1}{2c^2} \left(7i - h(p) \right)^2 \right\} \\
 & \text{if } | e^2 \rangle = \left(\frac{1}{2} \int_{\mathbb{R}^2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \right) \right) \\
 & \text{if } | e^2 \rangle = \left(\frac{1}{2} \int_{\mathbb{R}^2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \right) \right) \\
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$$\Rightarrow \text{ Verify } U_j := \underbrace{\mathcal{E}\left\{\begin{array}{c} (y_i - A_i) \\ \hline{V(Y_i)} \end{array} \right\}_{X_{ij}} \left(\begin{array}{c} 2A_i \\ \hline{\partial u_i} \end{array}\right)}_{X_{ij}} \qquad q(A_i) := A_i := \beta := u_i$$

$$\Rightarrow U_i := \underbrace{\mathcal{E}\left\{\begin{array}{c} (y_i - A_i) \\ \hline{G^*} \end{array} \right\}_{X_{ij}} \left(\begin{array}{c} 1 \\ \hline{p} \end{array}\right)}_{U_j} \qquad A_i := A_i :=$$