Varylg(x) w(x)) - 2u(or (g(x)w(x)), w(x)) + Min Van (w(x)) } M.O.M. estimation Esta for Varg ? 5(x) w(x) : Zs(rei) w(ri) (or(g(R)Mx), u(R)) = $\frac{2}{2}g(R)u(Ri)u(Ri)$ = $\frac{2}{2}g(Ri)u(Ri)$ $\frac{2}{2}u(Ri)$ Van {w(x)}. / 2 (u(xi) - 2 w(xi)) $\int_{\mathcal{A}} \mathcal{L} = \int_{\mathcal{A}} \left\{ \mathcal{L} \left[\mathcal{L} \left(\mathcal{L} \right) \mathcal{L} \left(\mathcal{L} \right) \right] - \left(\mathcal{L} \left(\mathcal{L} \right) \mathcal{L} \left(\mathcal{L} \right) \right) \right\} - \mathcal{L} \left[\mathcal{L} \left(\mathcal{L} \right) \mathcal{L} \left(\mathcal{L} \right) \right] \right\}$ + M2 [GW(x)-etu)]] ~ EM = 1 (BBA E(3'(x) m'(x)) - (E g(x)m(x)) m 1 -2ME(g(x) w (x)] + 2M E(g(x)) ((x)) [(w(x)) + M2 E(W (x)] - M2 E2 CU(x)) 12 = 1 2 E (g(x) w(x)) - m - 2n E[g(x) w2(x)) +2m2 + M2 [(w2(x)) - M2) = 1 9 E [g^(x) w^(x)] - 2ME[g(x) w^(x)] + M2 E [w^(x)] } $\omega / \omega(x) = \frac{\mu(x)}{g(x)}$ Want to replace: W(x) = f(x) W(x) = C W(x)

 $\frac{1}{2} = \frac{1}{2} \frac{1}{2} \left[\frac{1}{2} \left[\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \left(\frac{1}{2} \right) + \frac{1}{2} \left(\frac{1}{2} \left(\frac{1$ 3) Estimete: $\mathbb{E}[\omega(x)]^2$: $\mathbb{E}[\omega(x)]^2$ $\mathbb{E}[\omega(x)]^2$ $\mathbb{E}[\omega(x)]^2$ $\mathbb{E}[\omega(x)]^2$ $\mathbb{E}[\omega(x)]^2$ $\frac{\left(\frac{2}{2} \cdot d(x)\right)^{2}}{\left(\frac{2}{2} \cdot f(x)\right)\left(\frac{2}{3}(x)\right)^{2}}$ (Zw(Xi)) Eg(xi) w(x)

(2g(xi)20(xi)) Costinute: E(g2(x)u2(x)) = $n = \frac{\sum_{i=1}^{n} g'(x_i) \overline{w}(x_i)}{\left(\sum_{j=1}^{n} g'(x_i) \overline{u}(x_j)\right)^{n}}$

 $(\hat{\nu})$

(i) Estimate $(\mathcal{G}(x) \cup (x))$: $= \frac{\sum_{i=1}^{n} g(x_i) \cup (x_i)}{\sum_{i=1}^{n} g(x_i) \cup (x_i)}$ $= n \quad \frac{\sum_{i=1}^{n} g(x_i) \cup (x_i)}{\sum_{i=1}^{n} g(x_i) \cup (x_i)}$ $= \frac{\sum_{i=1}^{n} g(x_i) \cup (x_i)}{\sum_{i=1}^{n} g(x_i) \cup (x_i)}$

Here, where of \mathcal{F} via $M \cdot 0 \cdot M$. $\int_{\text{mom}}^{2} = \frac{1}{1} \times \left(\frac{\mathbb{Z}_{g}(\kappa_{i}) \widetilde{w}(\kappa_{i})}{\mathbb{Z}_{g}(\kappa_{i})} \right)^{2} \left(\frac{$

(3)