Lets consider the Probability (proportion) of having diabetes for a jiven value of gla odds $(E) = \frac{\Pr[E]}{1 - \Pr[E]}$ odds $\in (0, 1)$ $|n(0)| = \frac{\Pr[E]}{|n(0)|}$ In (odds) = Z odds = $\frac{P}{1-P}$ (1-p)odds: P odds - podds = p1 Pr (Y=1) = (e) oddj = p(1+odds) p= 0dds 1+0dds $=\frac{e^{2}}{e^{2}}\frac{e^{2}}{1+e^{2}}\left(\frac{e^{2}+1}{e^{2}+1}\right)$

$$\hat{A} = \ln \left(\text{odds} \left(Y = 1 \right) \right) \quad \text{Consider} \quad X = X^* \\
X_2 = X^* + 1$$

$$\hat{A} = \sigma \left(\frac{2}{2} \right) \\
\hat{A} = \hat{B} \cdot \hat{B} \cdot \hat{X} + \cdots + \hat{B} \cdot \hat{B$$