2 th Besselo(h) + (1-A) e 2 th Besselo(h) 5. Pry (4, h) = A 5 (X/4) needs to output: S, = M,

f2 = M2

f3 = A (mixing coefficient) $Pr(y | f(x, \phi)) = \sqrt{17} \sqrt{17} \frac{10}{10} - (y_0 - y_0)^2 / 262$ 7. y & R10 (4/x)0f=by $\log \Pr(y|f(x,\phi))^2 \stackrel{!}{\lesssim} \frac{1}{2} \log (2\pi b^2) - (y_2 - \mu_0)^2$ $\arg \min_{\phi} - \log \Pr(y|f(x,\phi)) = \arg \min_{\phi} \stackrel{!}{\lesssim} \frac{1}{2} (y_2 - \mu_0)^2$ 9. The height will be a smaller magnitude than the weight, so the loss will be more goowsed on weight. -> rescale the inputs -> learn two separate variance for both predictions