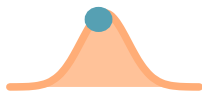
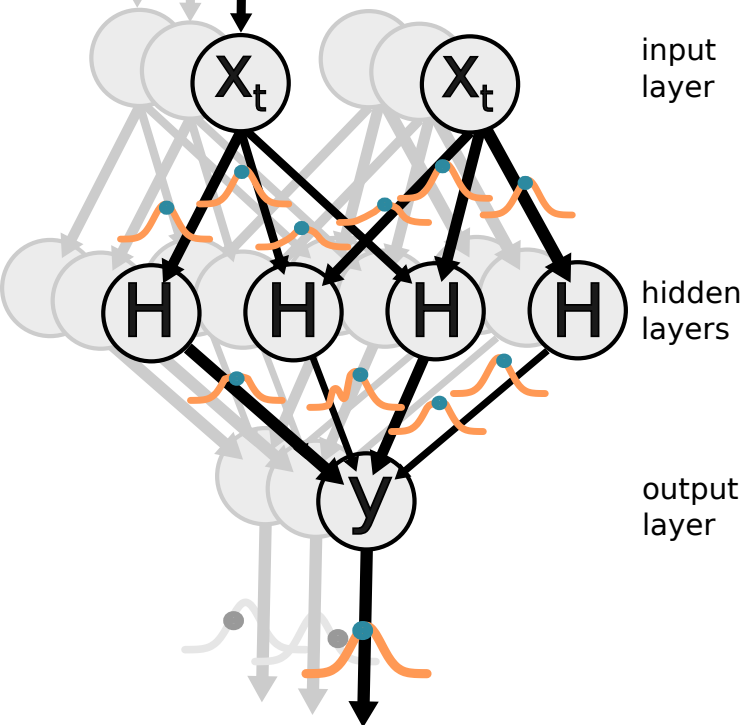


waveforms x_t
with respect to
centroid time



location uncertainty
 $\rho(\text{lat, lon, depth})$

CNN_k
(lat, lon, depth)



input
layer

hidden
layers

output
layer

$\rho(y|x_t, \text{lat, lon, depth, Earth structure})$

predicted source
parameter distributions