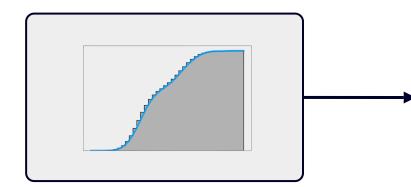
## CDF of a sample F(x)



Discrete adiabatic evolutions  $\ U_j$ 

$$|\psi( au)
angle = \prod_j^{\longleftarrow} U_j |\psi_0
angle 
ightarrow \hat{F}(x)$$

$${\cal C}( au) 
ightarrow {\cal C}_R = R_z [ heta_3( au)] R_x [ heta_2( au)] R_z [ heta_1( au)]$$

Rotations as functions of the time

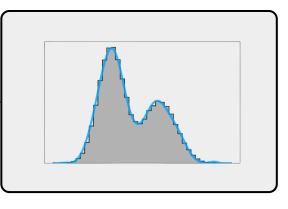
At this point, any time can be called!

$$|\psi( au)
angle = \mathcal{C}( au)|\psi_0
angle$$

 $\mathrm{d} au o 0$  limit

$$\hat{
ho}(x) = rac{\mathrm{d}\hat{F}(x)}{\mathrm{d}x} = \sum_{i=1}^3 rac{\partial\hat{F}}{\partial heta_i} rac{\partial heta_i}{\partial au}$$

derivative of  $\,\mathcal{C}_{R}\,$ 



PDF of the sample ho(x)