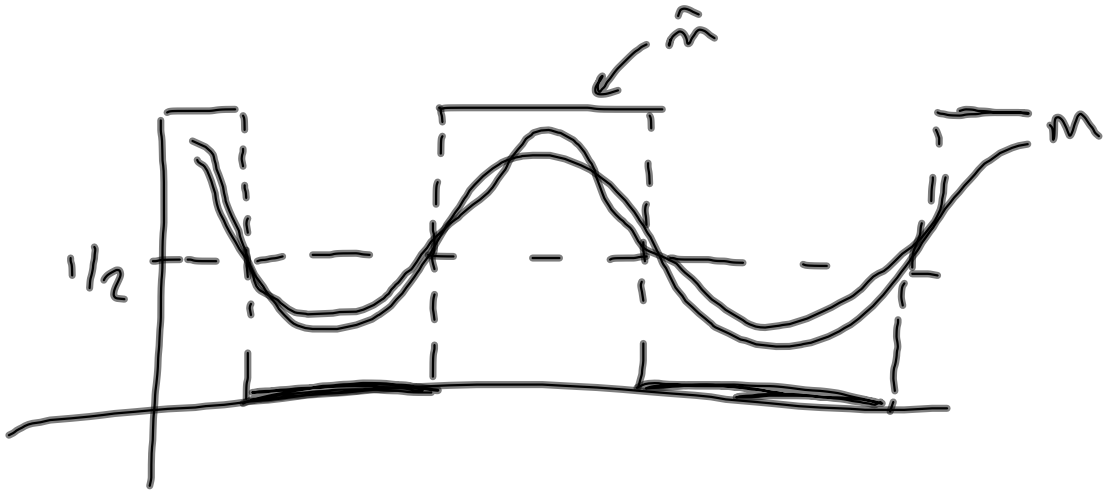
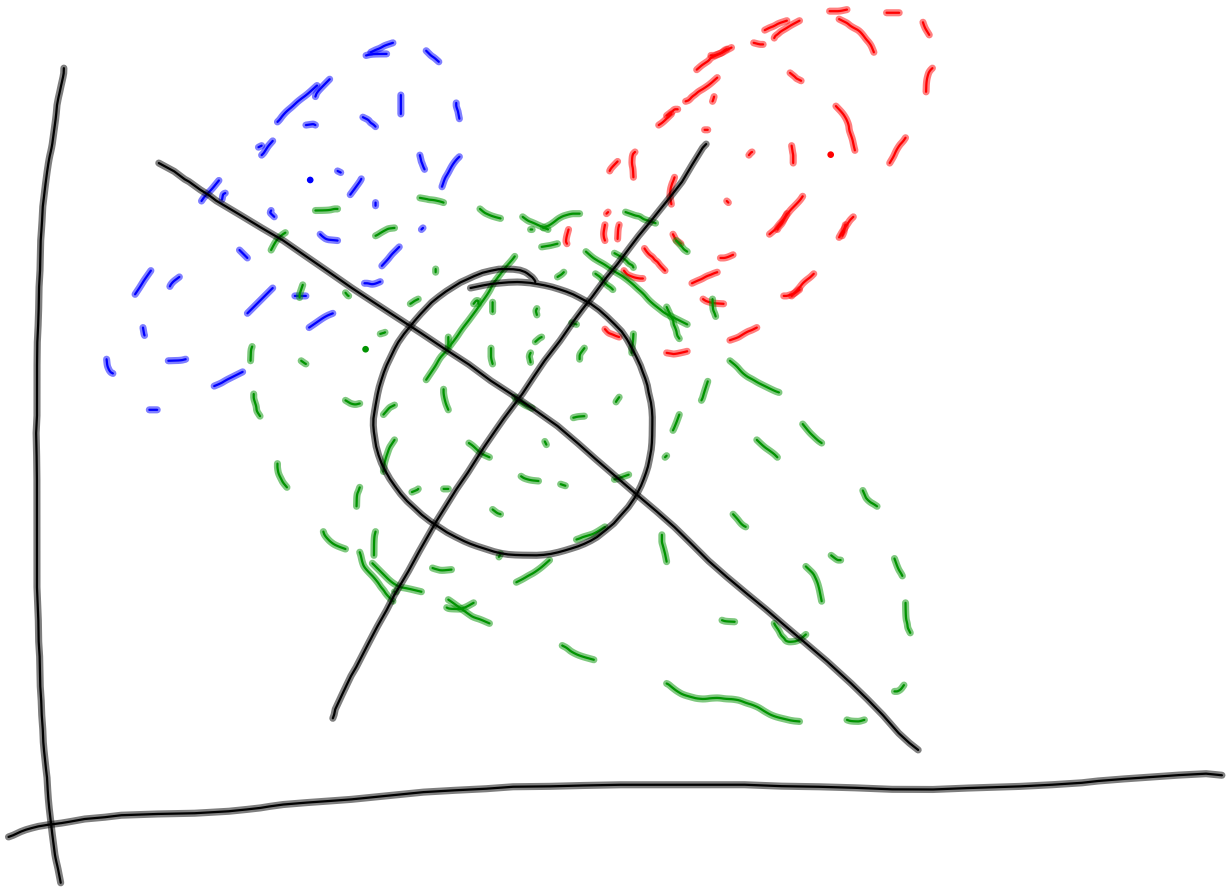
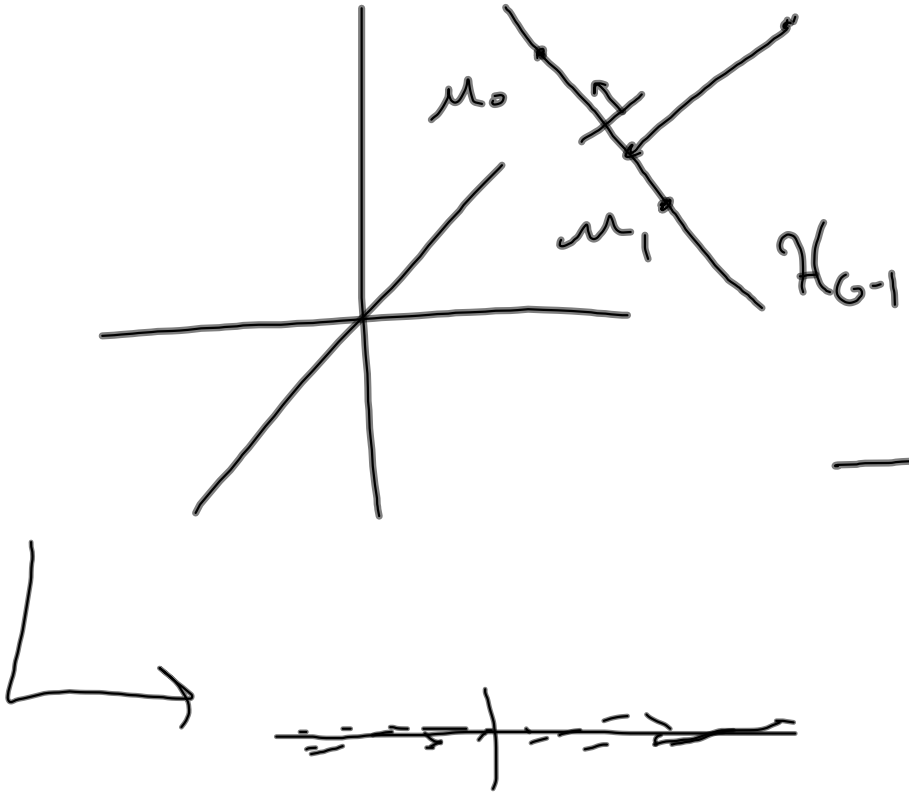
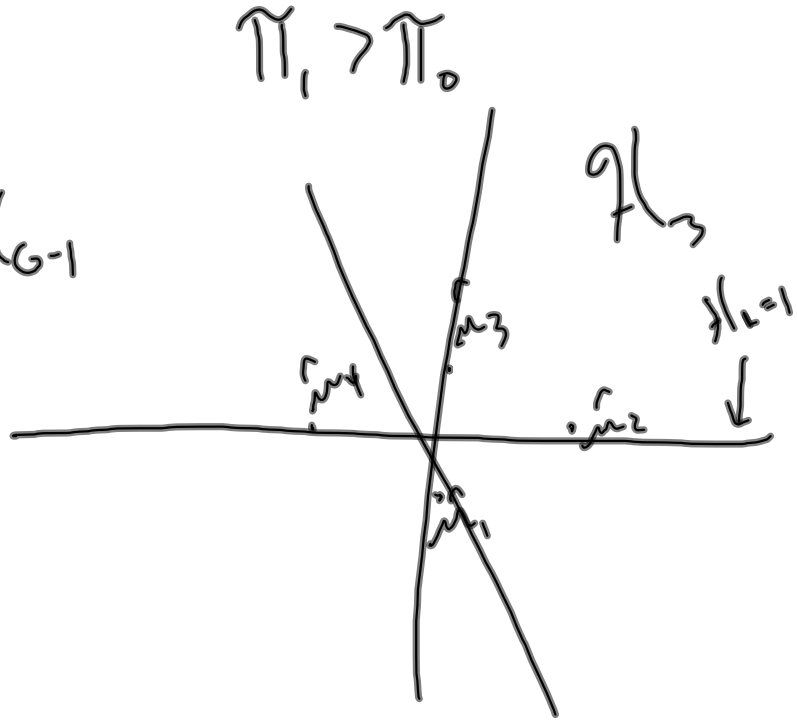


$$p_g(x) = p(x \mid y=g) = \mathcal{N}(\mu_g, \Sigma_g)$$

$$\frac{\|x-\mu_g\|_2^2}{2} = \frac{x^T x}{2} + \frac{\mu_g^T \mu_g}{2} - x^T \mu_g$$




μ_0
μ_1
$\mathcal{H}_{G-1}$


$\pi_1 > \pi_0$
$\mathcal{H}_3$
$\mathcal{H}_{L=1}$
μ_3
μ_4
μ_2
μ_1