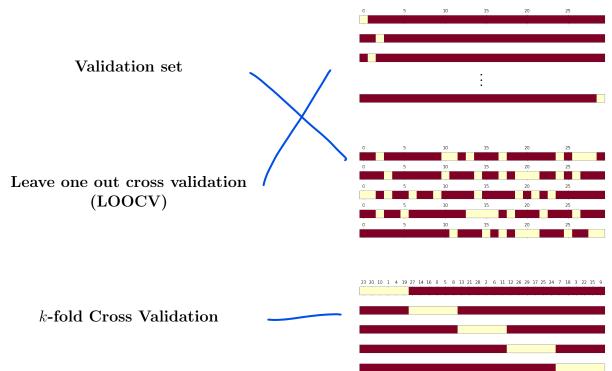
## CMSE381 - Quiz 4

I	will	adhere	to	the	Spartan	Code	of	Honor	in	completing	this	assignment	۶.
S	igne	d:											

1. (4pts) Match each name on the left to its picture representation on the right.



2. (6pts) Assume stocks A, B, and C belong to the same industry. The price changes for these stocks today can be described as normally distributed, with means of 10%, 15%, and -1%, respectively, and a shared variance of 10%. These percentages represent the relative change in price. If I purchase one of these stocks today and sell it tomorrow, resulting in a 6% profit, which stock is most likely the one I bought, according to Linear Discriminant Analysis (LDA)? (assuming the prior probabilities of buying each of the stocks are the same)

$$\int_{K} = \frac{x \cdot Mk}{0!k} - \frac{Mk^{2}}{20!k} + M_{1} \frac{Tk}{2}$$

$$\int_{K} = \frac{x \cdot Mk}{0!k} - \frac{Mk^{2}}{20!k} + M_{2} \frac{S_{1}^{2}}{2!} = 0.05 \cdot 0.11 - \frac{0.11^{2}}{2!}$$

$$\int_{K} = \frac{x \cdot Mk}{2!} - \frac{Mk^{2}}{2!} + M_{2} \frac{S_{1}^{2}}{2!} = 0.05 \cdot 0.11 - \frac{0.11^{2}}{2!}$$

$$\int_{K} = \frac{x \cdot Mk}{2!} - \frac{Mk^{2}}{2!} + M_{2} \frac{S_{1}^{2}}{2!} = 0.05 \cdot 0.11 - \frac{0.11^{2}}{2!}$$

$$\int_{K} = \frac{x \cdot Mk}{2!} - \frac{Mk^{2}}{2!} + M_{2} \frac{S_{1}^{2}}{2!} = 0.05 \cdot 0.11 - \frac{0.11^{2}}{2!}$$

$$\int_{K} = \frac{x \cdot Mk}{2!} - \frac{Mk^{2}}{2!} + \frac$$