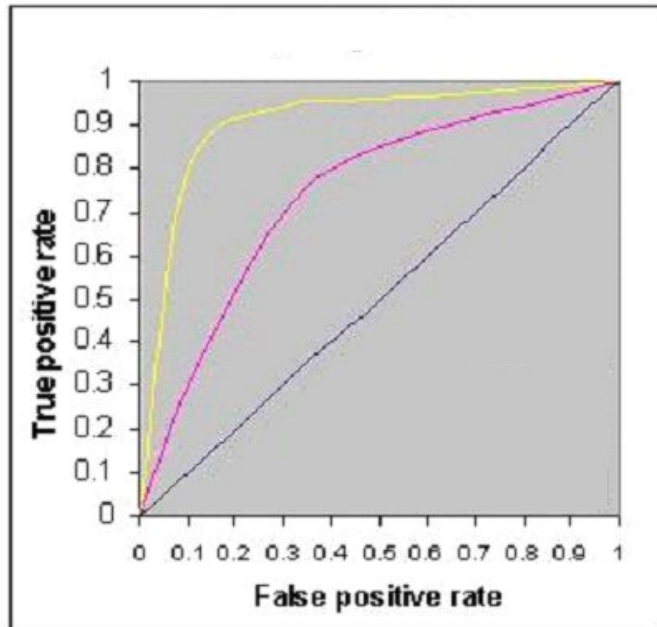# Logistic Regression

Review Questions:

1. How do you define odds?
   a. **Ratio of probability of success to probability of failure**
2. Let's assume, a hypothetical equation if a loan to be given to a customer or not is given by
   loan= -1.2***Age** + 3.4* **Salary** -0.97 * **Female.**
   How do we interpret the coefficient of Age and coefficient of Female?
3. What is ROC curve and what is it used for?
4. Given below are the ROC curves for three different parameters (so we have three models).
   Which of the three is considered the best model

5. Given the confusion matrix, compute all the error metrics

	Predicted Positive	Predicted Negative
Actual Positive	A	B
Actual Negative	C	D