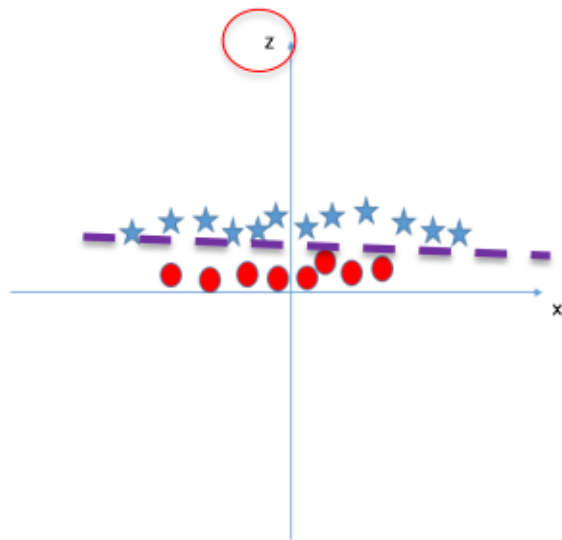
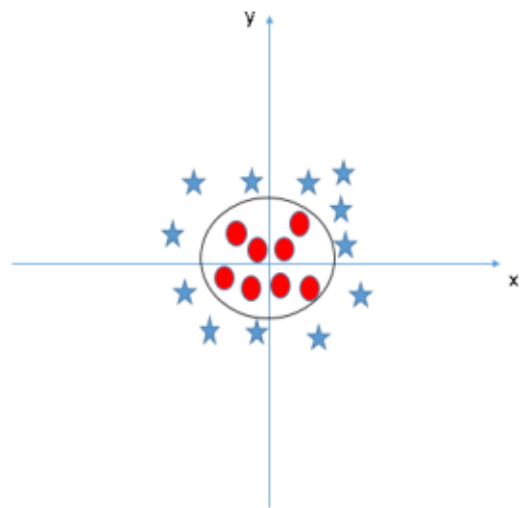


2 features  $x, y$  :  
find separating  
hyperplane ?



new feature  $z$   
 $z = x^2 + y^2$   
Now data is  
linearly separable!



The separating  
hyperplane corresponds  
to a circle in the original  
space !