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Q&A What is the common feature of statistical pattern classification?

What is use common reactine of statistical patient classification?
 What is supervised classification? How is it different from
 unsupervised classification, what is the general rule that Baysian decision
 methods follow? (MPP, Discriminant function)
 What are the differences between the three cases of discriminant function?

AICIP RESEARCH

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- What's the difference between Euclidean distance and Mahalanobis distance?
- What is the difference between parametric classification and non-parametric classification?
- Understand behavior/characteristics of m-D Gaussian What is maximum likelihood estimation?
- Both FLD and PCA reduce the dimension of a dataset. However, different projection directions are generated from the two approaches. Comment on the fundamental differences.
- How to quantify error in representation in PCA?

TENNESSEE

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Distance Metrics	AICIP RESEARCH	
Euclidean distance		
Mahalanobis distance		
 Minkowski distance 		
 Manhattan distance (city-block distance) Euclidean distance 		
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Review Materials	AICIP RESEARCH	
• HW1, 2		
• Proj 1, 2		
 Lectures 1-10 		
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