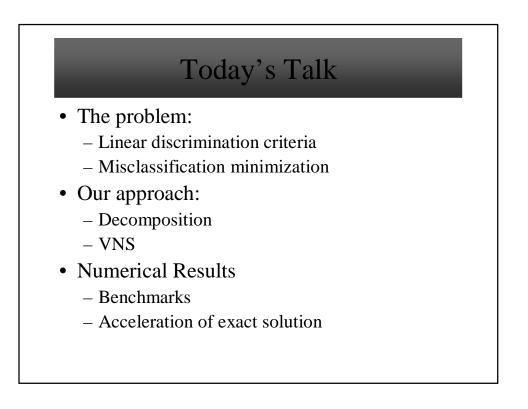
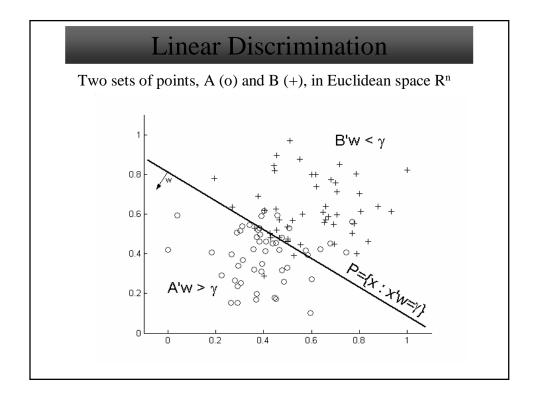
Montreal Optimization Days

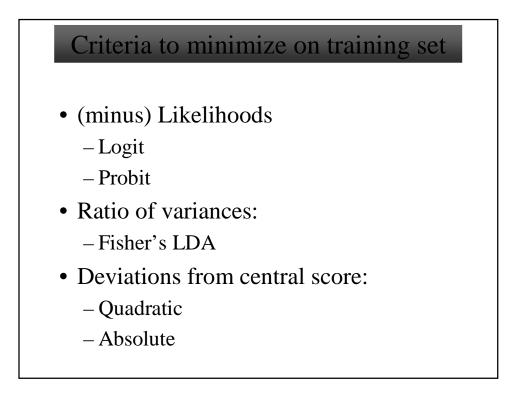
May 2005

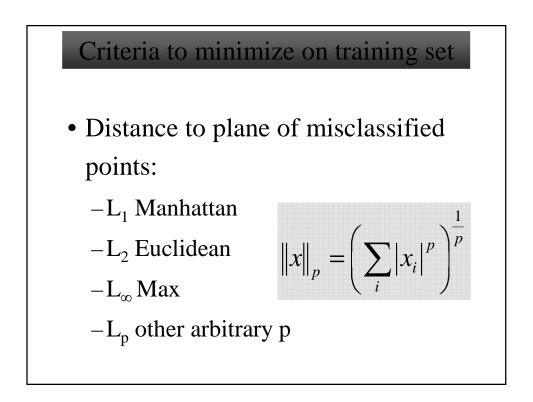
Misclassification Minimization by Variable Neighborhood Search

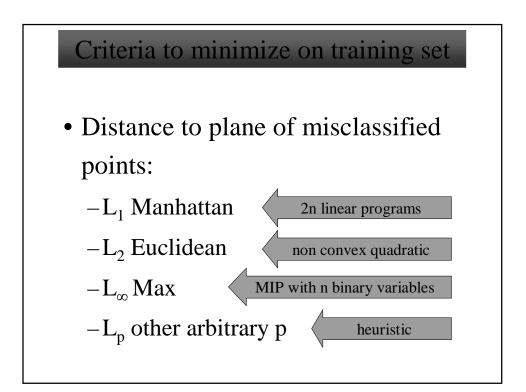
> Alejandro Karam (alejandro.karam@hec.ca) Pierre Hansen (pierre.hansen@gerad.ca)

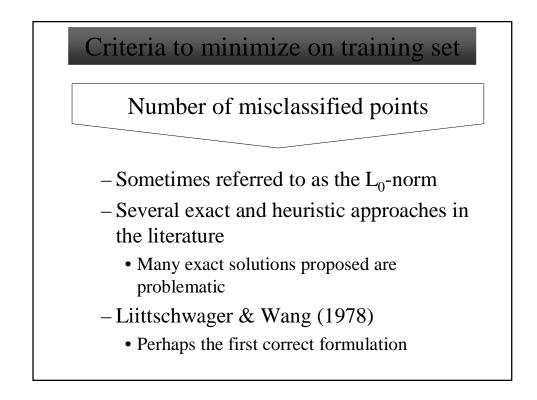


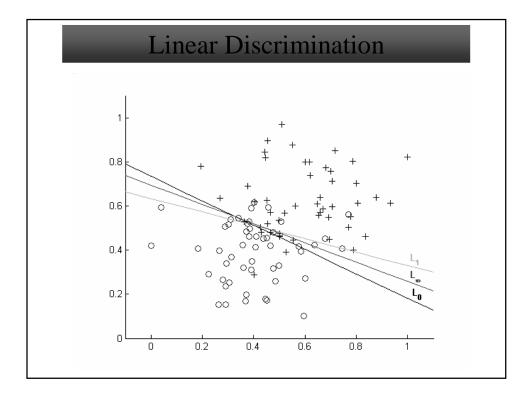


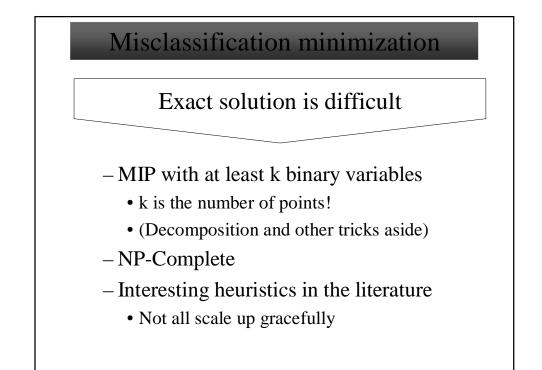


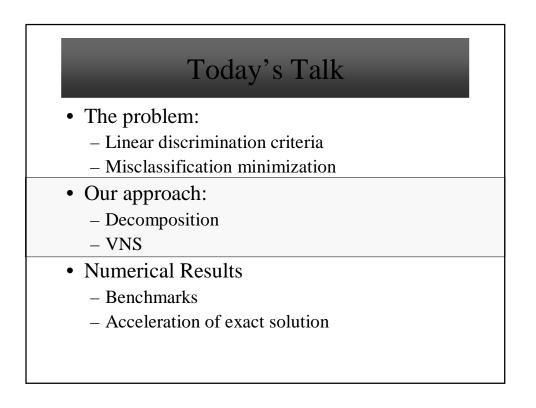


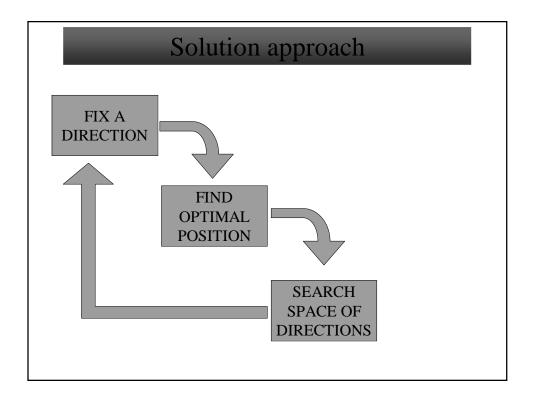


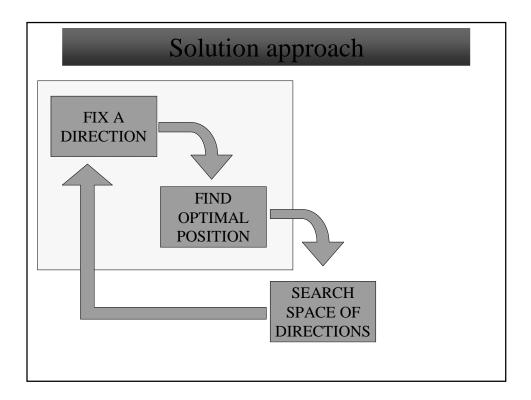


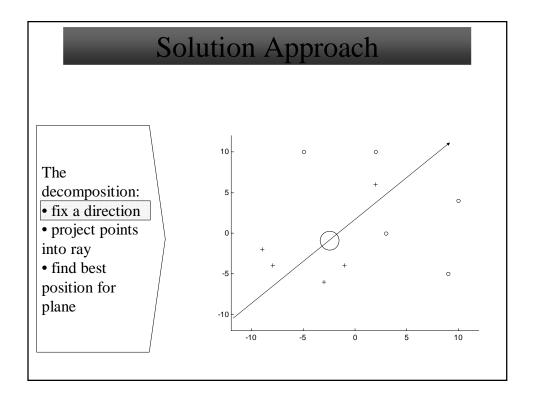


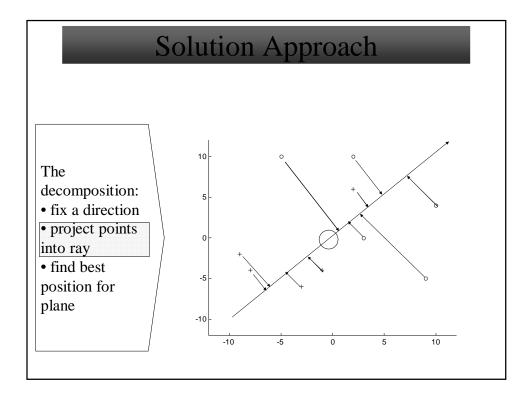


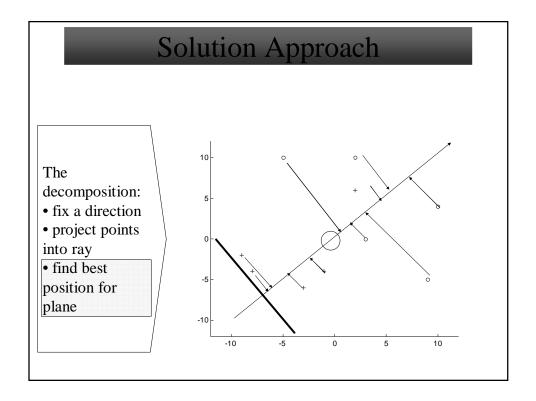


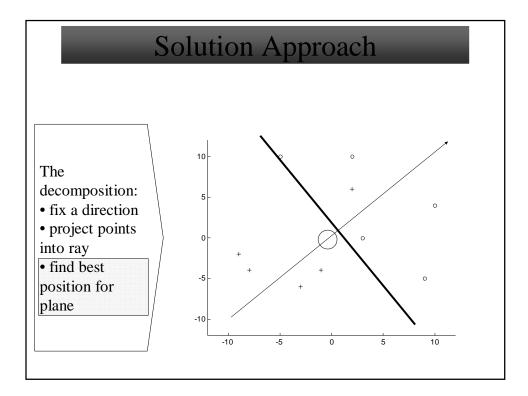


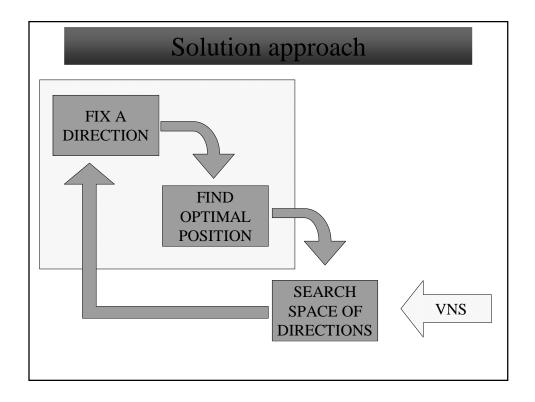


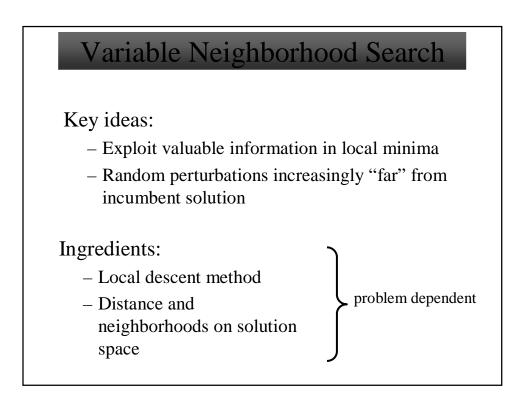


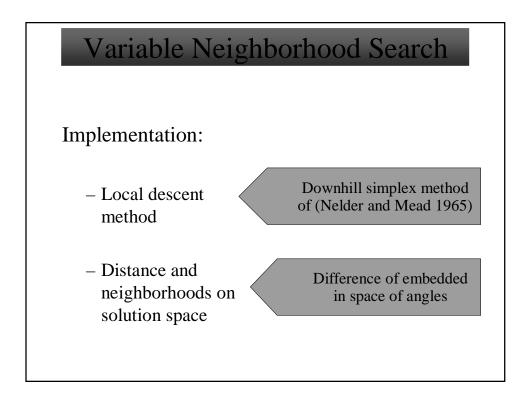


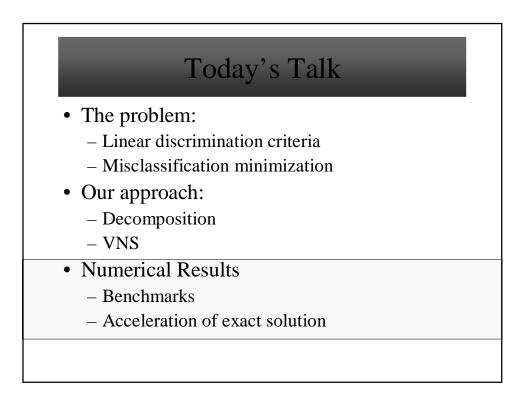


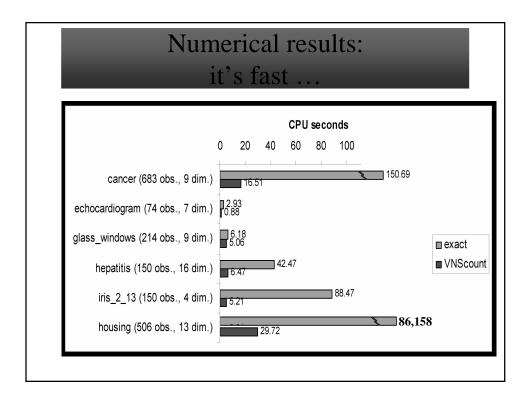


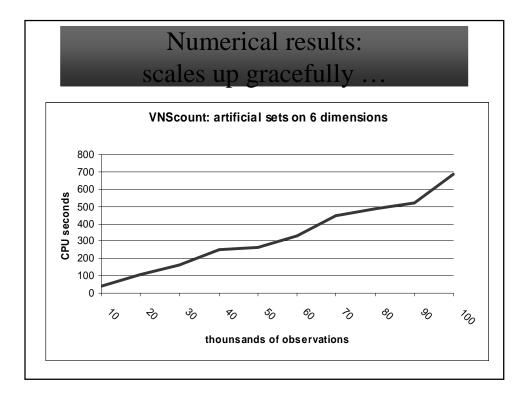


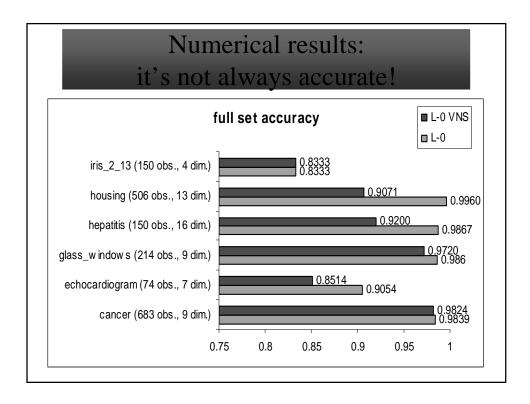


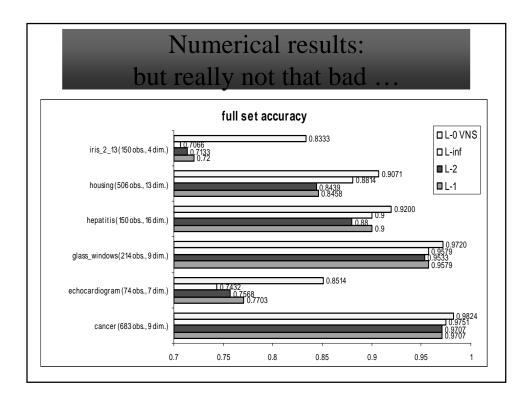


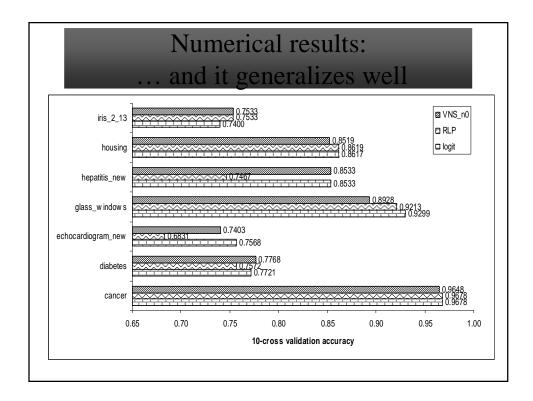


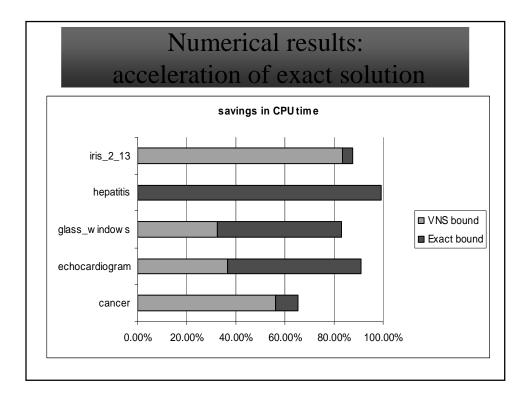












Conclusions

- Fast alternative to exact L₀ solution
- Good generalization properties
- Seems competitive with alternative linear discriminants
- Scales well to large number of observations
- It might be worth a try!