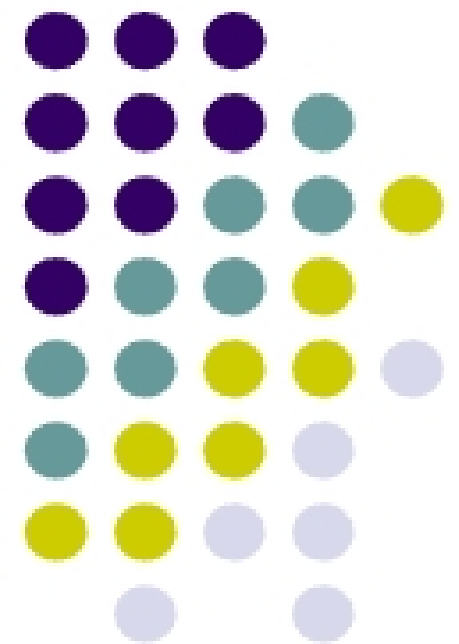


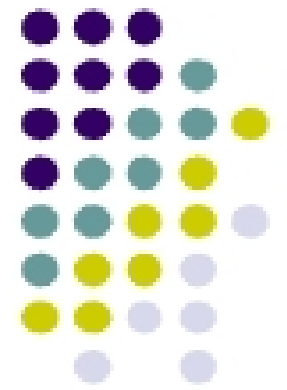
# Support Vector Machines: A Useful Tool for Classification

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# Aim



- To look at the technique of Support Vector Machine (SVM) for classification from the Machine Learning as well as Statistical point of view
- Search for the theoretical results that might demonstrate specific quantitative advantages of SVM
- Compare the performances of SVM and the traditional statistical techniques on different types of datasets and try to draw conclusions

# Outline

- Problem of Classification
- Traditional Statistical Techniques for Classification
- Machine Learning Approach to SVM
- SVM from a statistician's perspective
- Experimental Analysis
- Results of Experiments
- Conclusion

