



FACULTÉ DES SCIENCES APPLIQUÉES
ELEN062-1 : INTRODUCTION TO MACHINE LEARNING

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1 Introduction

2 Classical algorithms

2.1 Decision trees

a) text As we can see on the figure below the division of the 2 areas become more complex

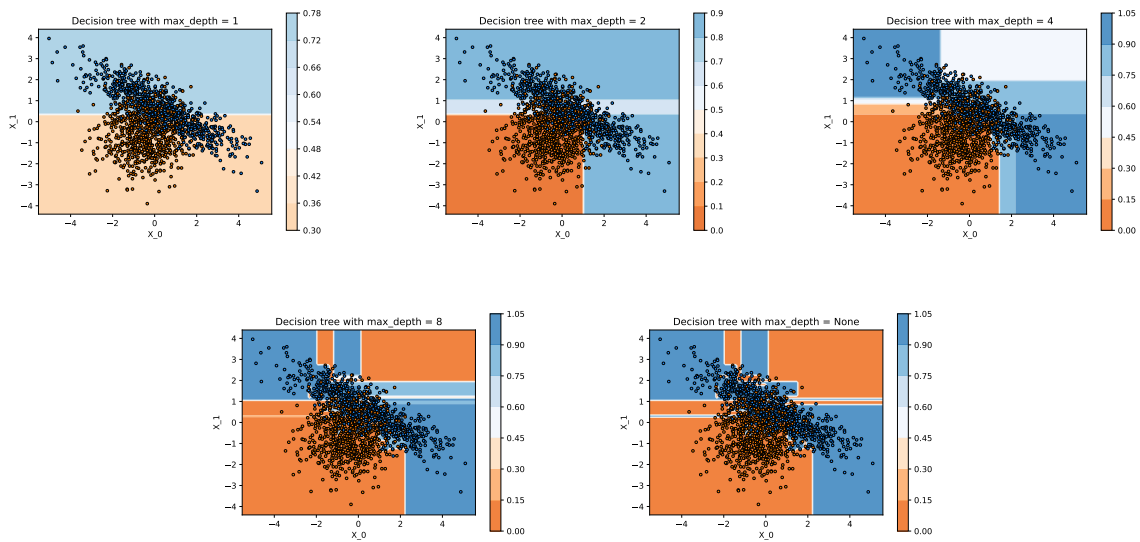


FIGURE 1 – Decision trees with different depths

with the depths of the tree. The tree with a depth of 8 is overfitting the data. The tree with a depth of 1 is underfitting the data. The depth 2 and 4 are the best compromise between underfitting and overfitting.

2.2 K-nearest neighbors

2.3 Quadratic/Linear discriminant analysis

3 Comparison