

Thomas Fuchs (JPL, Caltech)

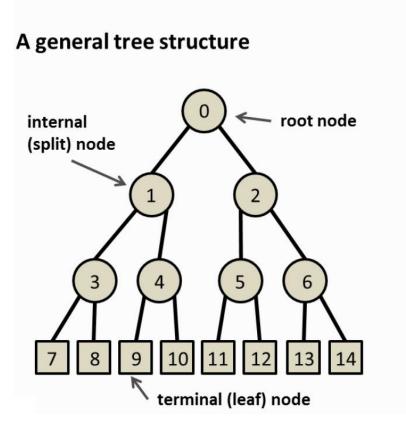
Decision Trees

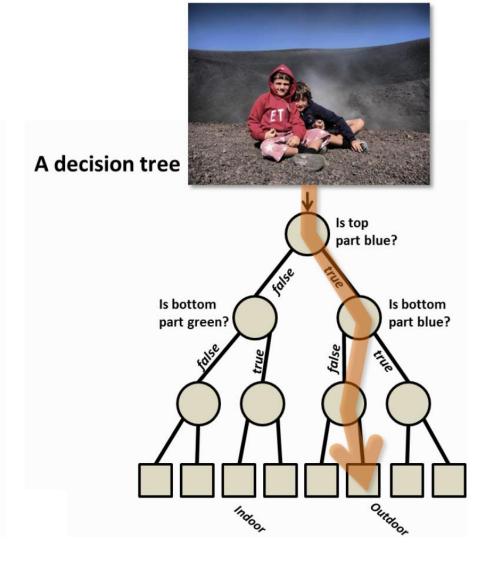




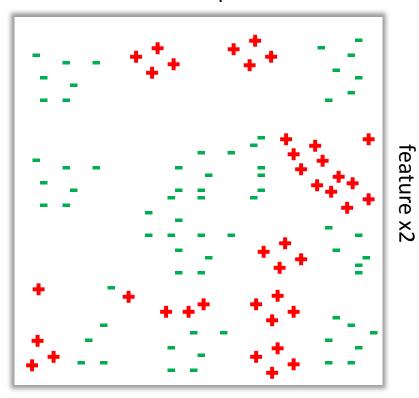


Decision Tree



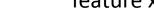




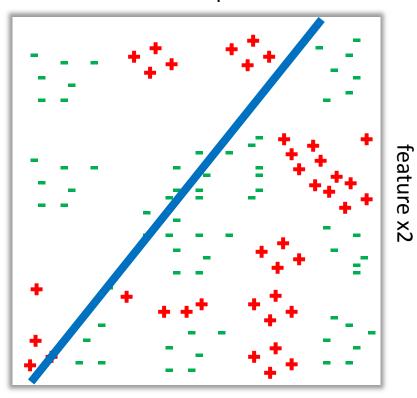


feature x1

- Positive Class
- Negative Class



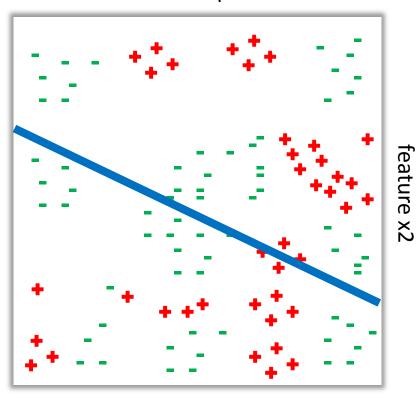




feature x1

- Positive Class
- Negative Class

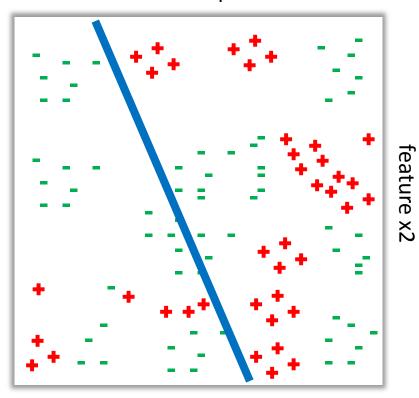




feature x1

- Positive Class
- Negative Class

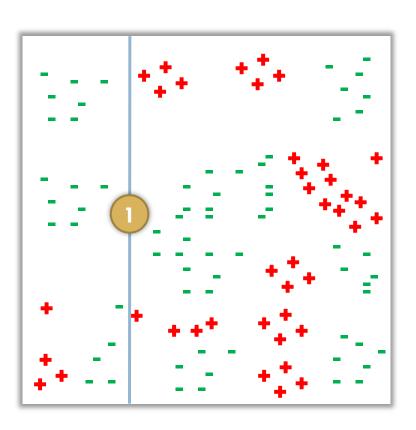




feature x1

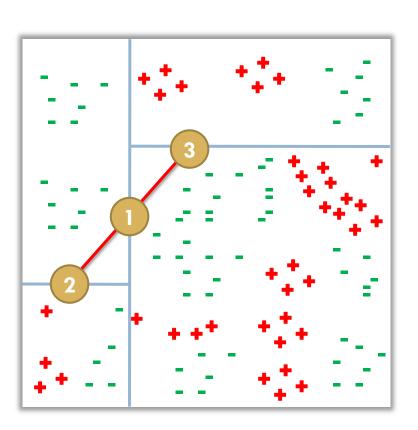
- Positive Class
- Negative Class

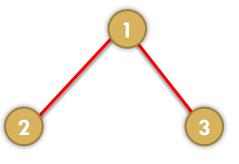




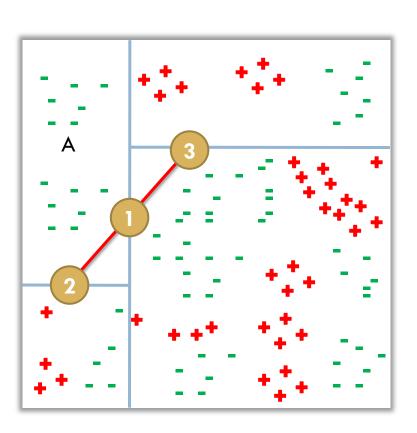


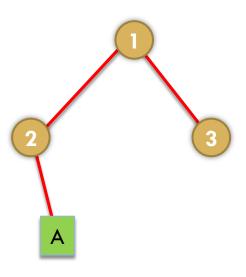




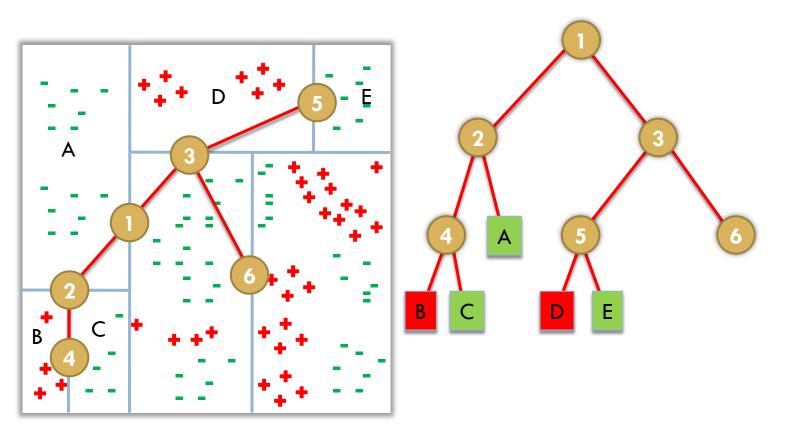




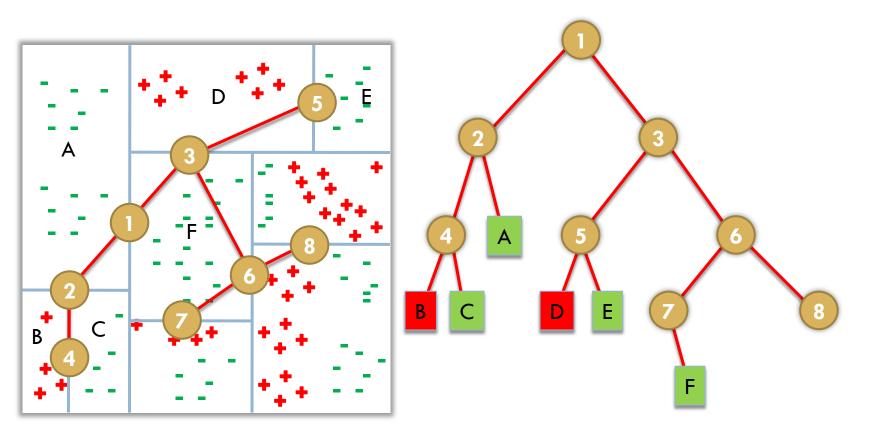




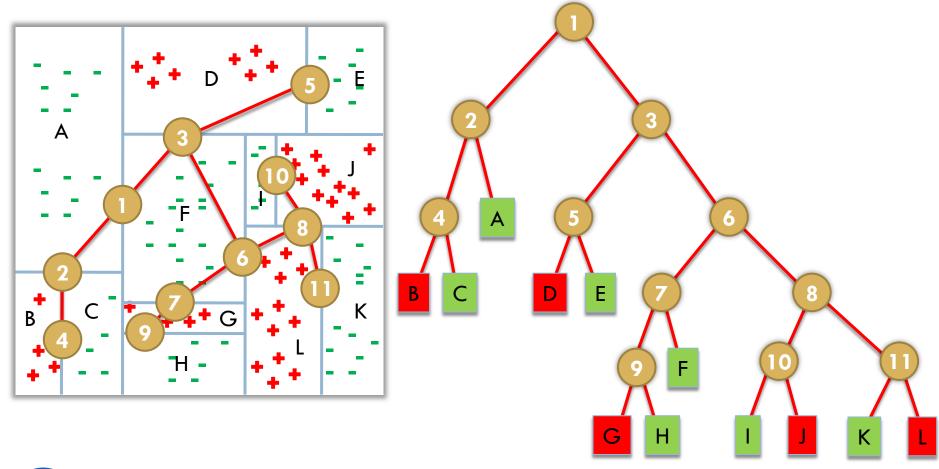










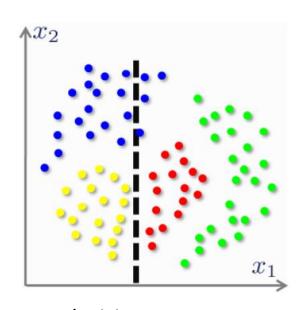




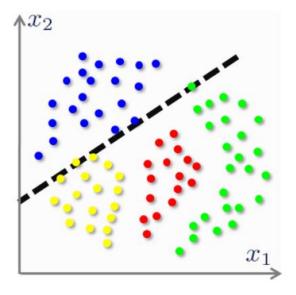
Tree Learning New unseen sample



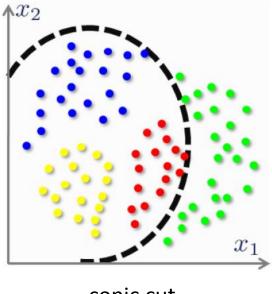
Weak Learners



decision stump = axis parallel split



linear combination



conic cut



Classification Tree

