Homework 6 (Due on December 6th midnight)

Total marks 40

Chapter 7 pages 297-298

Q1.

(a) (4 marks)

(b) (4 marks)

(c) (4 marks)

(d) (4 marks)

(e) (4 marks)

Chapter 7 page 299

Q5.

(a) (4 marks)

(b) (4 marks)

(c) (2 marks)

Chapter 8 page 332

Q3.

Give an equation for each measure (i.e. for Gini index, classification error, entropy) (3 marks)

Plot (3 marks)

Chapter 8 pages 332-333

Q5.

Majority vote approach (2 marks)

Average probability approach (2 marks)