Automation Homework 2

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Part 1

1.2 Final Accuracies:

Uncertainty:

0.6693877551020408

Entropy:

0.6448979591836734

Margin:

0.7142857142857143

Random:

0.5591836734693878

1.3 Confusion Matrices:

(Seed = 0)

[[8000003215]

[014 0 8 0 0 0 0 0 0]

[0 1 0 0 0 9 0 16 0 0]

[022 0 2 0 1 0 0 0 0]

[01003130000]

[0 6 0 2 1 18 0 0 0 0]

[4 0 0 0 0 2 2 16 0 0]

[3 1 0 0 0 7 0 14 0 1] [6 1 0 0 5 0 0 6 0 3]

[9000020918]]

(Seed = 1)

[[000000000028]

[0 5 0 16 0 1 0 0 0 0]

[0 0 14 0 1 7 0 0 0 4]

[0 1 0 24 0 0 0 0 0 0]

[014 0 0 0 3 0 0 0 0]

[014 0 0 0 3 0 0 0 0]

[0 0 4 0 0 0 10 0 0 10]

[0 0 8 0 4 0 2 6 0 6]

[0 0 4 1 5 0 1 0 1 9]

[0 0 5 0 0 1 0 0 0 23]]

(Seed = 2)

[[8 0 12 0 0 0 0 0 8 0]

[0 3 0 19 0 0 0 0 0 0]

[0 15 11 0 0 0 0 0 0 0]

[0 3 0 22 0 0 0 0 0 0]

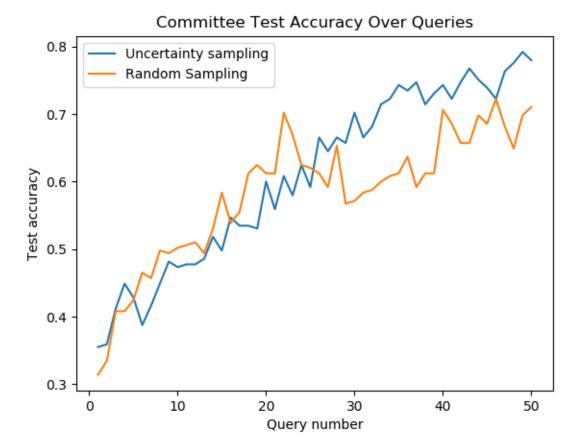
[0 8 5 2 1 0 0 0 0 1]

[020 2 1 0 4 0 0 0 0] [10 4 4 0 1 0 5 0 0 0]

[2 1 15 0 2 0 4 2 0 0]

[4 3 9 1 0 0 0 0 0 4]

[5 2 18 0 0 1 0 0 3 0]]



Part 2

Number Queried:

CAL: 22 Random: 200

