

NAME _____ Grade _____

1. During decision induction, an essential step, which is repeated at every none-left node from root down, is to select the attribute (among attributes that are still available at a particular branch), that will provide the most gain of information (also known as entropy). Discuss the bias of this approach and what C4.5, a successor of ID3, did as an attempt to overcome that bias. (15)
2. S24Mid Part I (22)
3. S24Mid Part II 5 (15)
4. S24Mid Part II 6 (15)
5. Part III (20)
6. Part IV (11)

This assignment is worth 100 points and is due at 10 PM Monday (3/3). Submit solution document in PDF form (2 points) on Moodle. Late submissions are accepted until Tuesday at 2 PM (3/4).