

Machine Learning and Inductive Inference - Exam January 2017

https://wiki.wina.be/examens/index.php/Machine_Learning_and_Inductive_Inference#Exam_13_january_2017_.28written.29

1. High VC Dimension : An advantage and disadvantage + strong or weak bias?
2. Naive Bayes for Text : calculate the values and to which class will the sentence be classified
3. C4.5 algorithm for Decision Trees exercise : explain each step and give final tree, determine sitting place depending on values for weather and ordered drink
4. LGG exercise , give non reduced and reduced lgg
5. 4 sentences to be connected with K-means, reinforcement learning, rules and SVM OR K-means, clustering, version spaces and ?
6. Learning task where certain actions with certain methods should be classified over time in certain classes. Is it predictive/descriptive, what kind of learning set is it (supervised, unsupervised), is it classification/..../....
+ out of list give best and worst method to obtain this and explain why
7. Top down rule learning task: determine sitting place depending on values for weather and ordered drink
8. Explain restrictive bias and preference bias (max 50 words)
9. Draw an ROC diagram for this rule set

