Personal information

Họ và tên: Hoàng Văn Hưng

MSSV: 20205333

Link Github: https://github.com/HungHoangXD/Bai-tap-AI/tree/10705be5f03c4818026ccb4845ab653ced717fbf/Week%209

##
##################

Answers to Problem 1: Decision Tree Learning

#

Please list your final answers below for auto-feedback.

##
##################

Problem 1a: information gain for the outlook attribute (only your final answer)

DT_INFO_GAIN_OUTLOOK: 0.247

Problem 1a: information gain for the humidity attribute (only your final answer)

DT_INFO_GAIN_HUMIDITY: 0.0453

Problem 1b: gain ratio for the outlook attribute (only your final answer)

DT_GAIN_RATIO_OUTLOOK: 0.156

Problem 1b: gain ratio for the humidity attribute (only your final answer)

DT_GAIN_RATIO_HUMIDITY: 0.048

##
##################

Answers to Implementation Exercise 1.3: Decision Trees

#

Please list your final answers below for auto-feedback.

##
##################

What was the mean of the unpruned decision tree's accuracies? (only your final answer)

SHOWDOWN_DT_TEST_ACCURACY_MEAN: 0.737034188034188

What was the standard deviation of the unpruned decision tree's accuracies? (only your final answer)

SHOWDOWN_DT_TEST_ACCURACY_STDDEV: 0.0827898560607293

What was the mean of the decision stump's accuracies? (only your final answer)

SHOWDOWN_DSTUMP_TEST_ACCURACY_MEAN: 0.7932692307692308

What was the standard deviation of the decision stump's accuracies? (only your final answer)

SHOWDOWN_DSTUMP_TEST_ACCURACY_STDDEV: 0.07659258664480613

What was the mean of the 3-level decision tree's accuracies? (only your final answer)

SHOWDOWN_DT3_TEST_ACCURACY_MEAN: 0.7587108262108263

What was the standard deviation of the 3-level decision tree's accuracies? (only your final answer)

SHOWDOWN_DT3_TEST_ACCURACY_STDDEV: 0.07937455355382414