

MushroomClassification

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Background Layout Theme Transition

Random Forest Model
Train at 100%
Test at 99.99%
1 False negative/positive

False predictions:
Ring type at 0.5%
Gill color at 0.5%
Gill attachment at 0.5%
Cap diameter at 0.5%
Gill surface at 0.5%

Tree Visualization

KNN Model
+ No outliers
✓ Large dataset
Curse of multidimensionality

100% accuracy (and recall) on training and testing data.

Business Recommendations

Pocket resource
Anti-potential
Safety/emergency resource
Predictive power

Further Recommendations

Access predictive power
Update training data
Reduce computational load

Resources
Gary H. Lincoff, The Audubon Society Field Guide to North American mushrooms (Knopf) (1981)
Secondary mushroom dataset data set UCI Machine Learning Repository
<https://archive.ics.uci.edu/ml/datasets/Secondary+Mushroom> (visited Jul 15, 2022)

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GitHub: <https://github.com/Krispy3/MushroomClassifier>

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