

## 001 **A Appendix**

002 We present the search space of the hyperparameters  
003 used for grid search.

### 004 **Logistic Regression**

- 005 • solver: liblinear
- 006 • penalty: l1, l2
- 007 • C: 0.0001, 0.001, 0.01, 0.1, 1, 10, 100

### 008 **Decision Trees**

- 009 • criterion: gini, entropy
- 010 • max\_depth: 10, 50, 100, None
- 011 • max\_features: auto
- 012 • min\_samples\_leaf: 1, 2, 4
- 013 • min\_samples\_split: 2, 5, 10

### 014 **Random Forest**

- 015 • bootstrap: True
- 016 • max\_depth: 10, 50, 100, None
- 017 • max\_features: auto
- 018 • min\_samples\_leaf: 1, 2, 4
- 019 • min\_samples\_split: 2, 5, 10
- 020 • n\_estimators: 5, 10, 100

### 021 **Support Vector Machine**

- 022 • kernel: linear, poly, rbf, sigmoid
- 023 • C: 0.001, 0.01, 0.1, 1, 10, 100
- 024 • gamma: 0.0001, 0.001, 0.01, 0.1

### 025 **AdaBoost**

- 026 • n\_estimators: 5, 10, 100