





































Competition:	Bird Mapping																														
Kaggle Username:	Shadowless																														
Best Performing Method:	Random Forest Classifier																														
Optimized Parameter and Values																															
Parameters	Value																														
n_estimators	100																														
Max_depth	8																														
Random State	1000																														
bootstrap	True																														
Min_samples_split	2																														
Min_samples_leaves	1																														
n_jobs	-1																														
Criterion	Entropy																														
External Libraries																															
<pre>import numpy as np import matplotlib.pyplot as plt from sklearn.ensemble import RandomForestClassifier</pre>																															
Summary																															
Decision Tree and Logistic Regression were first used to classify the data; however, none gave a better performance when compared to the initial Random Forest Classifier. The Random Forest parameters were randomly tuned till the optimal parameters above were gotten. My best Kaggle score was 0.14765.																															
Kaggle Leaderboard																															
Public Leaderboard																															
<table><tr><td>1</td><td>Benedicte Fwelo</td><td></td><td>0.14852</td><td>3</td><td>9d</td></tr><tr><td>2</td><td>Shadowless</td><td></td><td>0.14767</td><td>20</td><td>15h</td></tr><tr><td colspan="6">Your Best Entry </td></tr><tr><td colspan="6">Your submission scored 0.14767, which is an improvement of your previous score of 0.14765. Great job!  Tweet this!</td></tr><tr><td>3</td><td>Eura Shin</td><td></td><td>0.14714</td><td>1</td><td>5d</td></tr></table>		1	Benedicte Fwelo		0.14852	3	9d	2	Shadowless		0.14767	20	15h	Your Best Entry 						Your submission scored 0.14767, which is an improvement of your previous score of 0.14765. Great job!  Tweet this!						3	Eura Shin		0.14714	1	5d
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<table><tr><td>1</td><td>—</td><td>Benedicte Fwelo</td><td></td><td>0.14989</td><td>3</td><td>9d</td></tr><tr><td>2</td><td> 2</td><td>Abuchi</td><td></td><td>0.14877</td><td>11</td><td>2d</td></tr><tr><td>3</td><td> 9</td><td>Jacob Birge</td><td></td><td>0.14851</td><td>19</td><td>2d</td></tr><tr><td>4</td><td> 2</td><td>Shadowless</td><td></td><td>0.14845</td><td>20</td><td>15h</td></tr></table>		1	—	Benedicte Fwelo		0.14989	3	9d	2	 2	Abuchi		0.14877	11	2d	3	 9	Jacob Birge		0.14851	19	2d	4	 2	Shadowless		0.14845	20	15h		
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My best Kaggle public score was 0.14767 and 0.14845 on the private leaderboard																															