Title: Signals of local bioclimate-driven ecomorphological changes in wild birds

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Table supplementary 1. Machine learning algorithms predicted the sex of the Storks from the independent morphological variables drawn from the images.

| S.No | Machine Learning Algorithms       | Precision | Recall | F-Measure | ROC Area |
|------|-----------------------------------|-----------|--------|-----------|----------|
| 1    | The BayesNet                       | 0.94      | 0.939  | 0.939     | 0.985    |
| 2    | meta classifier                    | 0.89      | 0.89   | 0.943     | 0.943    |
|      | RandomCommittee                    |           |        |           |          |
| 3    | rules DecisionTable                | 0.92      | 0.926  | 0.926     | 0.943    |
| 4    | Rules OneR                         | 0.949     | 0.946  | 0.946     | 0.945    |
| 5    | trees J48                          | 0.858     | 0.858  | 0.858     | 0.898    |
| 6    | trees RandomForest                 | 0.92      | 0.919  | 0.919     | 0.952    |
Table supplementary 2. Machine learning algorithms predicted the sex and regions of the Storks from the independent morphological variables drawn from the images.

| S.No | Machine Learning Algorithms | Precision | Recall | F-Measure | ROC Area |
|------|-----------------------------|-----------|--------|-----------|----------|
| 1    | The BayesNet                | 0.874     | 0.872  | 0.872     | 0.97     |
| 2    | meta classifier RandomCommittee | 0.795     | 0.791  | 0.787     | 0.941    |
| 3    | rules DecisionTable         | 0.789     | 0.784  | 0.78      | 0.914    |
| 4    | rules OneR                  | 0.674     | 0.682  | 0.66      | 0.772    |
| 5    | trees J48                   | 0.771     | 0.77   | 0.77      | 0.850    |
| 6    | trees RandomForest          | 0.811     | 0.811  | 0.810     | 0.951    |