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Progressive Boosting for Class Imbalance and Its Application to Face Re-Identification

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Highlights

- The progressive Boosting Ensemble is proposed for learning from imbalanced data.
- Partitioning data in Boosting lead to higher diversity and less information loss.
- Trajectory under-sampling in PBoost is more effective for face re-identification.
- Validating on various skew levels of data in Boosting increases robustness to skew.
- Partitioning and validating on different skew levels reduce computation complexity.

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