
LIST OF TERMS

Terms	Definition
Imbalanced Data	A dataset where classes are not represented equally, with one class significantly outnumbering the others.
Majority Class	The class with the highest number of samples in an imbalanced dataset.
Minority Class	The class with the lowest number of samples in an imbalanced dataset.
Imbalanced Ratio	The proportion between the number of samples in the majority class and the minority class in an imbalanced dataset.
Data-level Methods	Techniques applied to balance an imbalanced dataset by modifying the data directly.
Undersampling	A data-level method that reduces the size of the majority class to balance the class distribution in an imbalanced dataset.
Evolutionary Computation	A problem-solving approach in artificial intelligence that uses mechanisms inspired by natural evolution, such as selection, mutation, and recombination, to iteratively find optimal or near-optimal solutions in complex search spaces.
Metaheuristic Optimizers	High-level algorithms designed to find near-optimal solutions to complex optimization problems by exploring and exploiting the search space.
Fitness	A measure used in evolutionary algorithms to evaluate how well a potential solution meets the desired criteria of the optimization problem, guiding the selection of the best solutions for further evolution.
Big Males Komodo	High-quality candidate solutions in the population that focus on exploiting promising regions of the solution space using a high-intensification and low-exploration (HILE) strategy to refine optimal results.
Female Komodo	Moderate-quality solutions that serve as a balance between exploration and exploitation, contributing to both diversification and refinement of the search process.
Parthenogenesis	A form of asexual reproduction carried out by female Komodo, where an organism produces offspring without fertilization.

Terms	Definition
Small Males Komodo	Lower-quality solutions that perform low-intensification and high-exploration (LIHE) movements, allowing the algorithm to explore new areas of the solution space and escape local optima.
Mlipir	A term derived from Javanese, which literally means "to walk along the side of the road" used in the Komodo Mlipir Algorithm-based Undersampling (KMAUS) to describe a strategy of subtle and careful exploration of the search space to find optimal solutions.