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Collective Data Mining in The Ant Colony Decision Tree Approach

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Highlights

- We confirm that agent-ants can learn only via the pheromone trail.
- It is better to use both the heuristic function and the pheromone trail.
- The ACDT alg. makes it possible to optimize the construction of decision trees based on a heuristic.
- The pheromone map clearly present a data set as the solution space and pheromone trail values.
- Analysis of pheromone maps shows that the ACDT alg. searches different subspaces of the solution space.

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