

# Accepted Manuscript

Active learning through density clustering

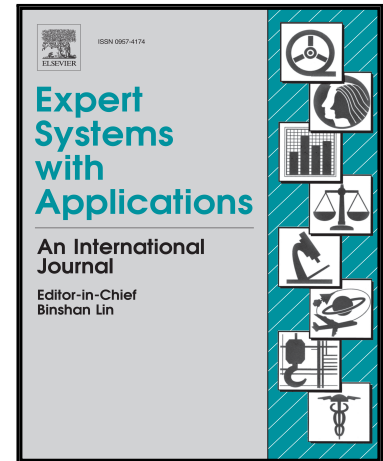
Min Wang, Fan Min, Zhi-Heng Zhang, Yan-Xue Wu

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**Highlights**

- We propose the active learning through density clustering algorithm with three new features.
- We design a new importance measure to select representative instances deterministically.
- We employ tri-partition to determine the action to be taken on each instance.
- The new algorithm generally outperforms state-of-the-art active learning algorithms.
- The new algorithm requires only  $O(n)$  of space and  $O(mn^2)$  of time.

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