FEATURE SELECTION ALGORITHM BASED ON CONDITIONAL DYNAMIC MUTUAL INFORMATION

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Abstract- Aim at existing selection algorithm mutual information inaccurate valuation problem, a condition dynamic concept of mutual information. On this basis, the conditions proposed based on dynamic mutual information (CDMI) feature selection algorithm to overcome the traditional mutual information selection process dynamic correlation problem; conditions of dynamic mutual information throughout the selection process is dynamic valuation, those the samples can be identified after each selection features removed so that they no longer participate in conditional mutual information calculation process, accurate measurement sample. Accurate measurement sample on the degree of importance characteristics and at the same time ensure that the characteristics of information content. The experimental results verify the correctness and effectiveness of the algorithm.

Index terms: Dalgaard-Strulik model, energy, economic growth, time delay, limit cycle.