based on Bias's minimum risk and based Euclidean distance and variance are applied to the classification of R&D personnel based on the minimum risk, and based Euclidean distance and variance calculation, which will be more efficient and convenient than the traditional artificial and other classification methods.

5. CONCLUSIONS

In today's enterprise in the identification of the high cost of R&D personnel, time is too long. In this paper, based on PNN R&D personnel's competence evaluation model of enterprise solved the model with linear learning algorithm instead of the work done by nonlinear learning algorithm. At the same time, the advantage of this algorithm is to keep the high precision characteristics of the nonlinear learning algorithm, and only needs few network build time; Finally, the model is compared with traditional AHP model, and the results show that the model is effective. But there are two caveats to this model:

(1) The experimental data of this model are obtained through the AHP method. When the index changes, the model still obtains experimental samples from the AHP method.

(2) If the experiment of the sample or the sample dimension is overmuch that will greatly increase the complexity of the PNN network. At this time should be based on the sample clustering and the application of partial least squares method for dimension reduction method of PNN network optimization, this research was conducted in this paper.

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