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## $Using\ Artificial\ Neural\ Networks\ and\ Function\ Points\ to\ Estimate\ 4GL\ Software\ Development\ Effort$

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## Abstract

Hie value of neural network modelling techniques in performing complicated pattern recognition and nonlinear estimation tasks has been demonstrated across an impressive spectrum of applications. Software development is a complex environment with many interr productivity. Accurate forecasting has proved difficult since many of these interrelationships are not fully understood. An attempt to capture the significant attributes of the software development environment to enable improved accuracy in forecasting of development networks. The data for this study was gathered from commercial 4GL software development productivity and other development factors in the data set is also large, accentual the neural network model predictions were reasonably accurate in comparison with other published results, indicating the potential of the use of this approach.

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