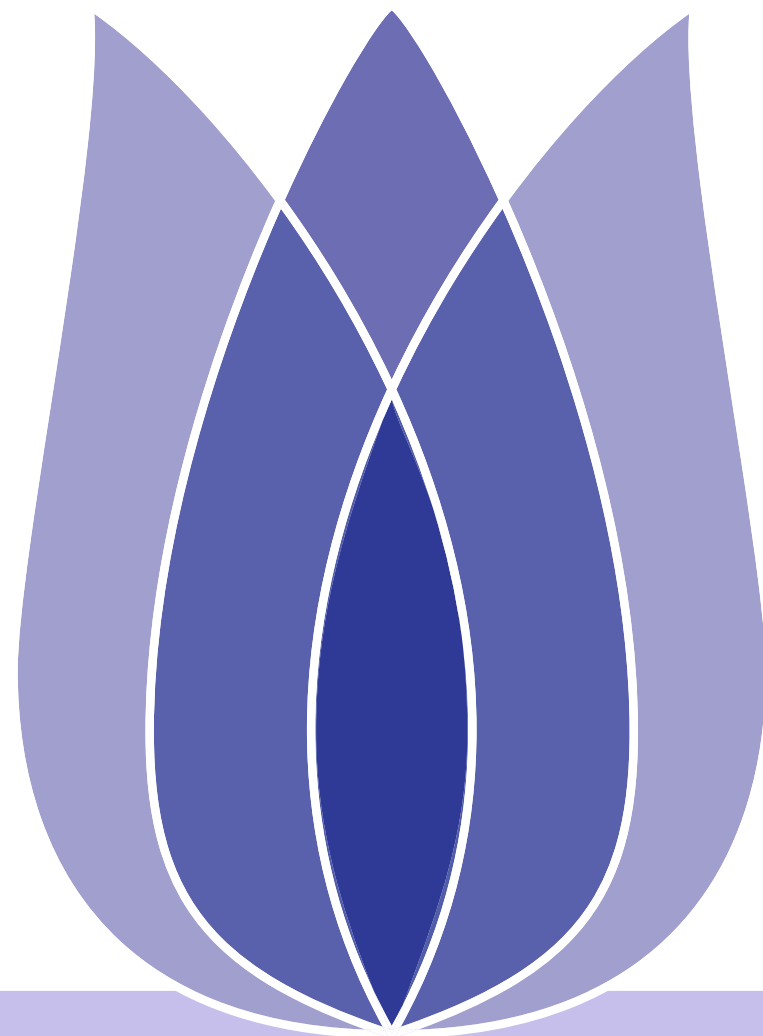


Box Office Forecast

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Chinese Academy of Sciences

September 28, 2020





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Defn

- introduce

With the development of the film industry, a variety of film and television companies need to predict the cost and income of shooting a film and television to reduce the amount of money spent. This software is designed to predict the movie revenue, etc.



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Back propagation network (BP network) is also known as back-propagation neural network. Through the training of sample data, the weights and thresholds of the network are constantly modified, so that the error function decreases along the negative gradient direction and approaches the expected output. It is a widely used neural network model, which is mostly used in function approximation, model recognition and classification, data compression and time series prediction. Click to open the link (example of BP neural network prediction)



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Data



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- Data Collection
The data set directly obtained in kaggle
- Data Processing
The processing of useless data



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- Cost function selection
Cross entropy, learning rate
- Display of test data



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