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## Weather forecasting using deep learning

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Weather changes play a significant role in peoples' short term, medium term or long term planning. Therefore, understanding of weather patterns has become very important in decision making. Various tools have been suggested for forecasting weather. These tools include the use of artificial intelligence techniques such as artificial neural networks and other machine learning methods. In this paper, we report a short-term weather forecasting method which uses deep learning machine learning technique. Deep learning is chosen due to its hierarchical structure, which is well suited for weather forecasting. High accuracy of the results obtained shows that deep learning is an appropriate tool to use for forecasting the weather.

Apply to be considered for a student award (Yes / No)?

No

Level for award (Hons, MSc, PhD, N/A)?

N/A

Would you like to submit a short paper for the Conference Proceedings (Yes / No)?

Yes

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