

Evaluation of weather forecast with DL

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Abstract—Weather forecasts plays a very important role in today's world in almost of sectors of world economy. The accuracy of making decisions related to weather evaluation using deep learning is extremely important to ensure smooth functioning of society. Earlier it used to be just numerical evaluation but recent developments in deep learning technologies has ensure that the new technologies can be effectively used for weather evaluation. In this paper, we will explore weather evaluation using deep learning techniques as well as the implementation comparing different techniques such as ANN and CNN.

Index Terms—weather evaluation, Deep learning , ANN, CNN

I. INTRODUCTION

II. WEATHER EVALUATION

III. DEEP LEARNING

A. *Artificial Neural Network (ANN)*

B. *Convolutional Neural Network (CNN)*

IV. USE CASE

Dataset [1] [2].

V. CONCLUSION

VI. FUTURE WORK

REFERENCES

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- [1] Klein Tank, A.M.G. and Coauthors, 2002. Daily dataset of 20th-century surface air temperature and precipitation series for the European Climate Assessment. Int. J. of Climatol., 22, 1441-1453. Data and metadata available at <http://www.ecad.eu>
- [2] Florian Huber, Dafne van Kuppevelt, Peter Steinbach, Colin Sauze, Yang Liu, Berend Weel, "Will the sun shine? – An accessible dataset for teaching machine learning and deep learning", DOI TO BE ADDED!
- [3]
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