

weather prediction ,regression ,

Neural model



(This project is about historical weather around Szeged, Hungary , from 2006 to 2016)

TECHWIZ (GROUP 5)



Objective of the project

The objective of this project is to analyze the weather data and extract the hypotheses to arrive at a prediction





Source of Data

Dataset from Kaggle :

<https://www.kaggle.com/budincsevity/szeged-weather>



INTRODUCTION

Achieving the United Nations' 2030 17 Sustainable Development Goals (SDGs) is widely affected by weather and a changing climate. To that end, emphasis has been given to delivering weather and climate services, such as identified through the Global Framework for Climate Services, with information packaged in ways that support timely decision-making.

Here, through identifying a continuum of decision-making contexts, we demonstrate how weather and climate services may be tailored to improve decision-making across all the SDGs.

weather forecasting is the prediction of the [weather](#) through application of the principles of [physics](#), supplemented by a variety of statistical and [empirical](#) techniques.

Regression **provides statistical calculations and relations among different variables by enhancing prediction.** ... Comparing and contrasting the way of predictions in weather forecasting, in ancient times it is based on changes in air pressure, current climate, and atmosphere stat

Artificial neural networks are **forecasting methods that are based on simple mathematical models of the brain.**

