

MACHINE LEARNING

PROJECT PROPOSAL

PROJECT NAME	Climate Change: Prediction of Future Temperature		
ESTIMATED START DATE	01/11/2019	ESTIMATED FINISH DATE	12/12/2019

LECTURE	INTRODUCTION TO MACHINE LEARNING	MODELS	LINEAR REGRESSION, RANDOM FOREST, POLYNOMIAL REGRESSION, SUPPORT VECTOR MACHINE
SCHOOL NAME	Izmir Katip Çelebi University	GOAL	Predicting future average temperature for some countries by using machine learning models.
ADDRESS	Havaalanı Şosesi Cd. Aosb No:33 D:2, 35620 Çiğli/İzmir	DATA SOURCE	https://www.kaggle.com/berkeleyearth/climate-change-earth-surface-temperature-data
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PROJECT DESCRIPTION
Climate change is a long-term change in the average weather patterns that have come to define Earth's local, regional and global climates. Changes observed in Earth's climate since the early 20th century are primarily driven by human activities, particularly fossil fuel burning, which increases heat-trapping greenhouse gas levels in Earth's atmosphere, raising Earth's average surface temperature. In this work we'll try to predict the future average temperature of some countries by using the dataset which has contain temperature values with dates from 1700s to 2010s for almost every country. Therefore, our aim is to predict the future temperatures for some countries by using machine learning models.

