Prediction Global Warming with Altair Compose

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ALTAIR

1

PARAMETERS CONSIDERED

| Human Population | GPD per Capita | Energy Intensity | Carbon Intensity |

PROJECT LIFE-CYCLE

01

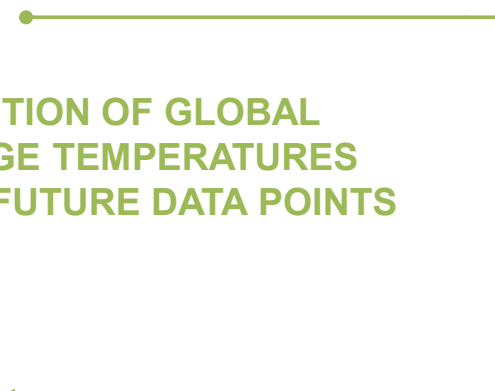**DATA PRE-PROCESSING**

02

TRAINING AND VALIDATION OF KAYA IDENTITY MODEL

03

PREDICTION OF GLOBAL AVERAGE TEMPERATURES USING FUTURE DATA POINTS

06

COMPLIANCE WITH THE PARIS PROTOCOL 2016

05

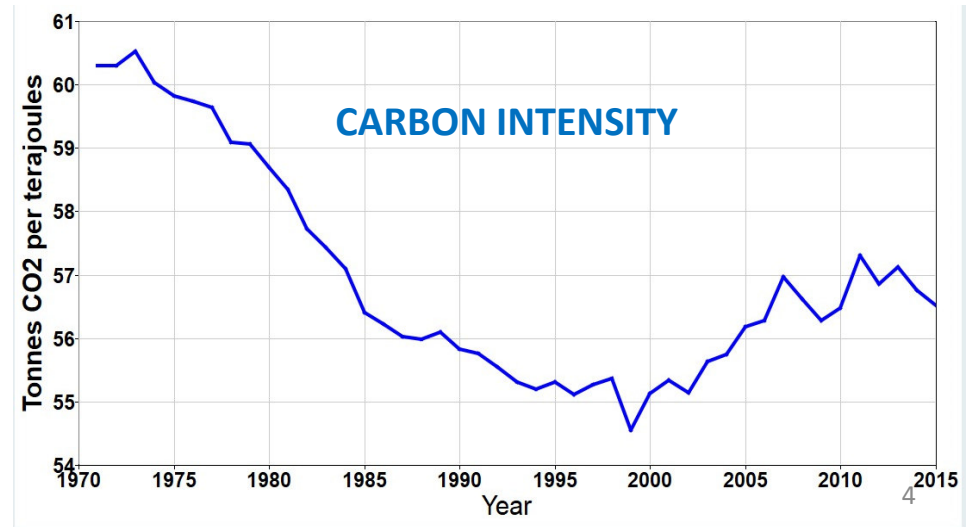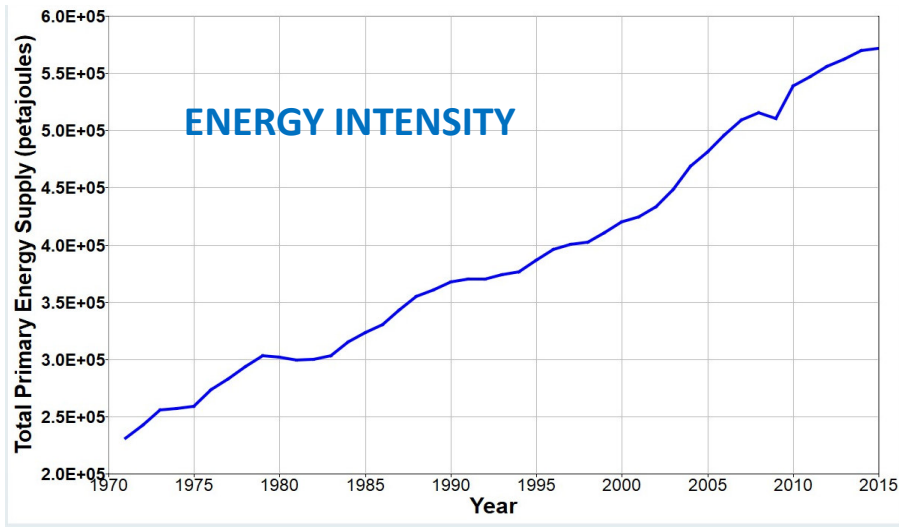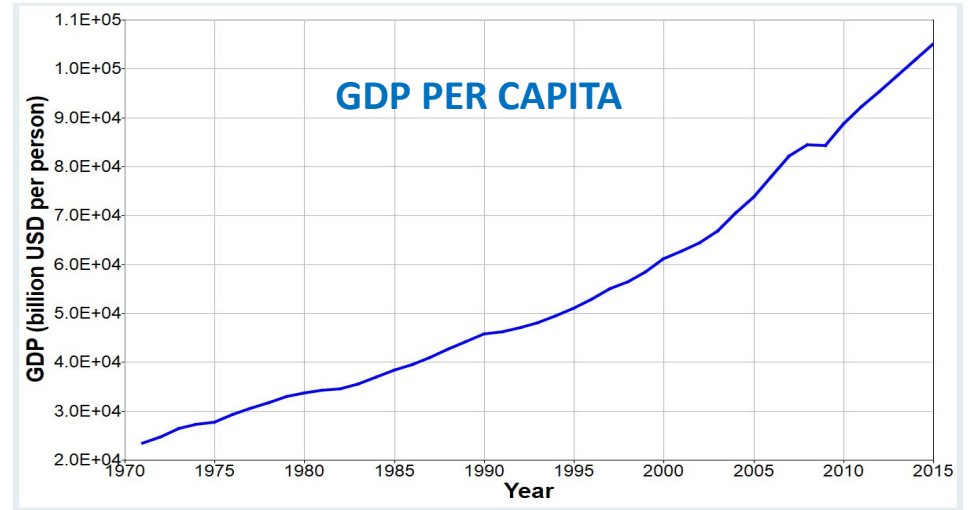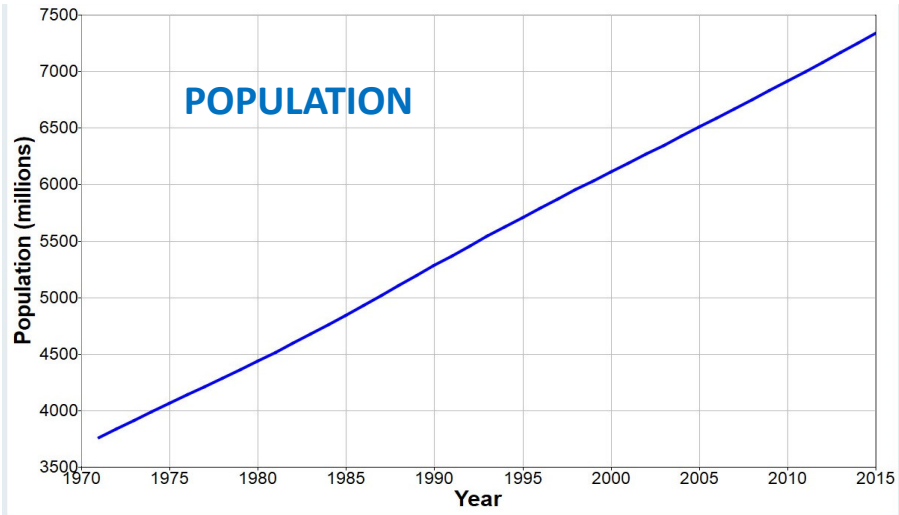**PREDICTION OF GLOBAL AVERAGE TEMPERATURE IF PAST TRENDS CONTINUE**
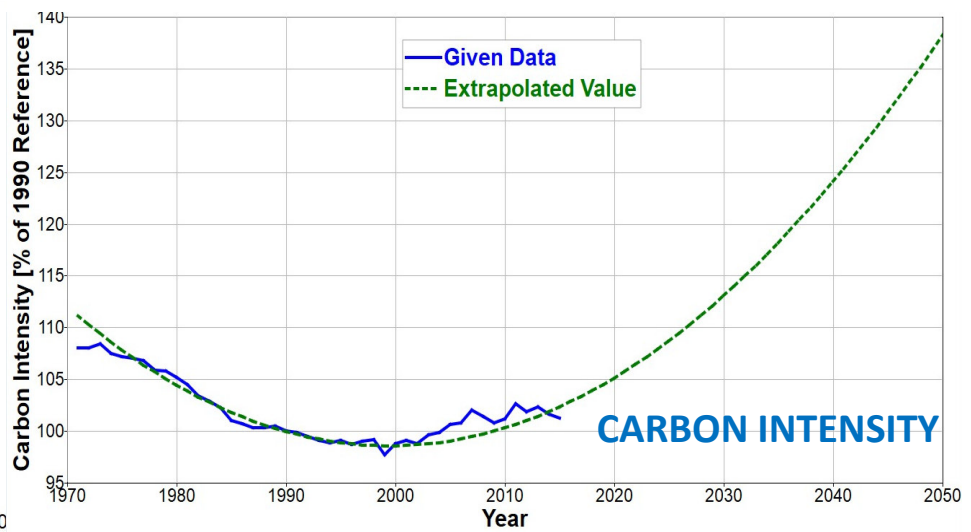
04

ANALYSIS OF PAST TRENDS (EI, CI, GDP & POPULATION)

BASED On HISTORICAL DATA

POPULATION — Population (millions) vs Year

GDP PER CAPITA — GDP (billion USD per person) vs Year

ENERGY INTENSITY — Total Primary Energy Supply (petajoules) vs Year

CARBON INTENSITY — Tonnes CO_2 per terajoules vs Year

EXTRAPOLATED TRENDS
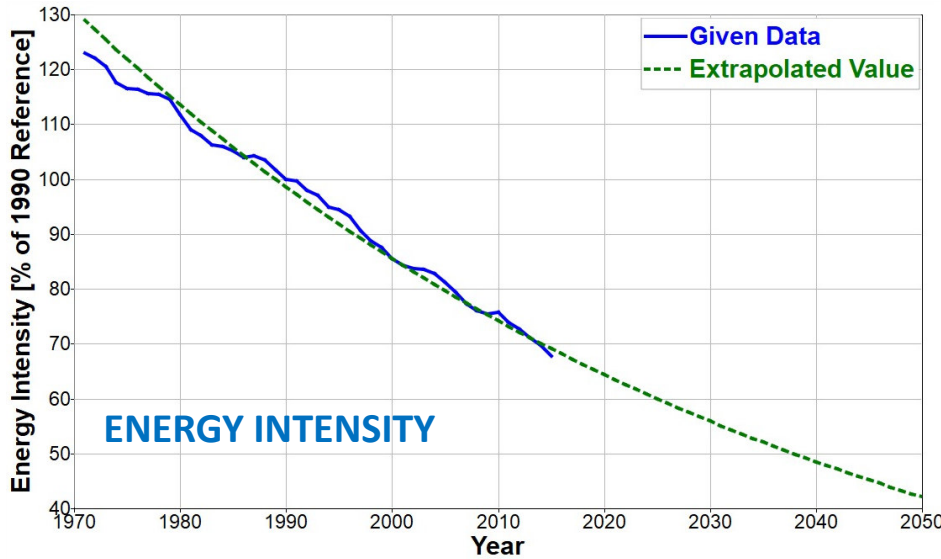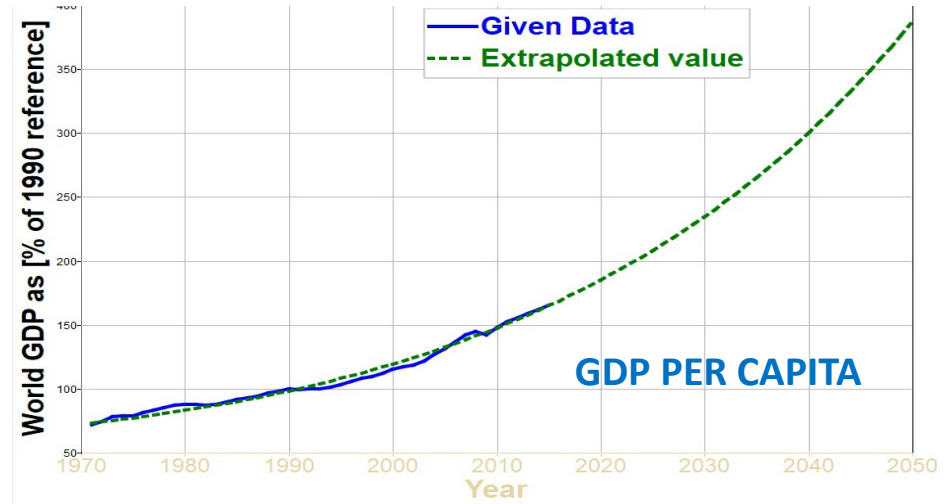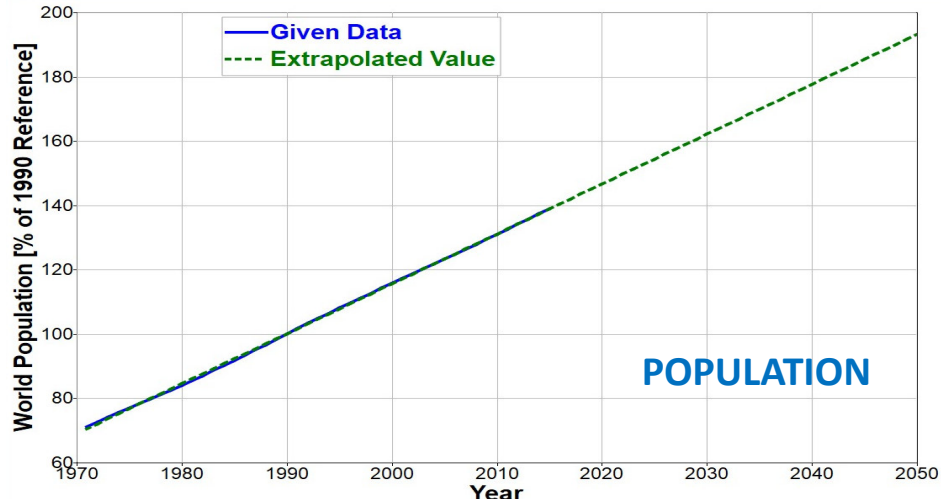
TRENDS of GLOBAL AVERAGE TEMPERATURE

Global Warming Forecast Tool

Global Average Temperature Prediction (2016-2050)

Year:

Predict as per reference factors
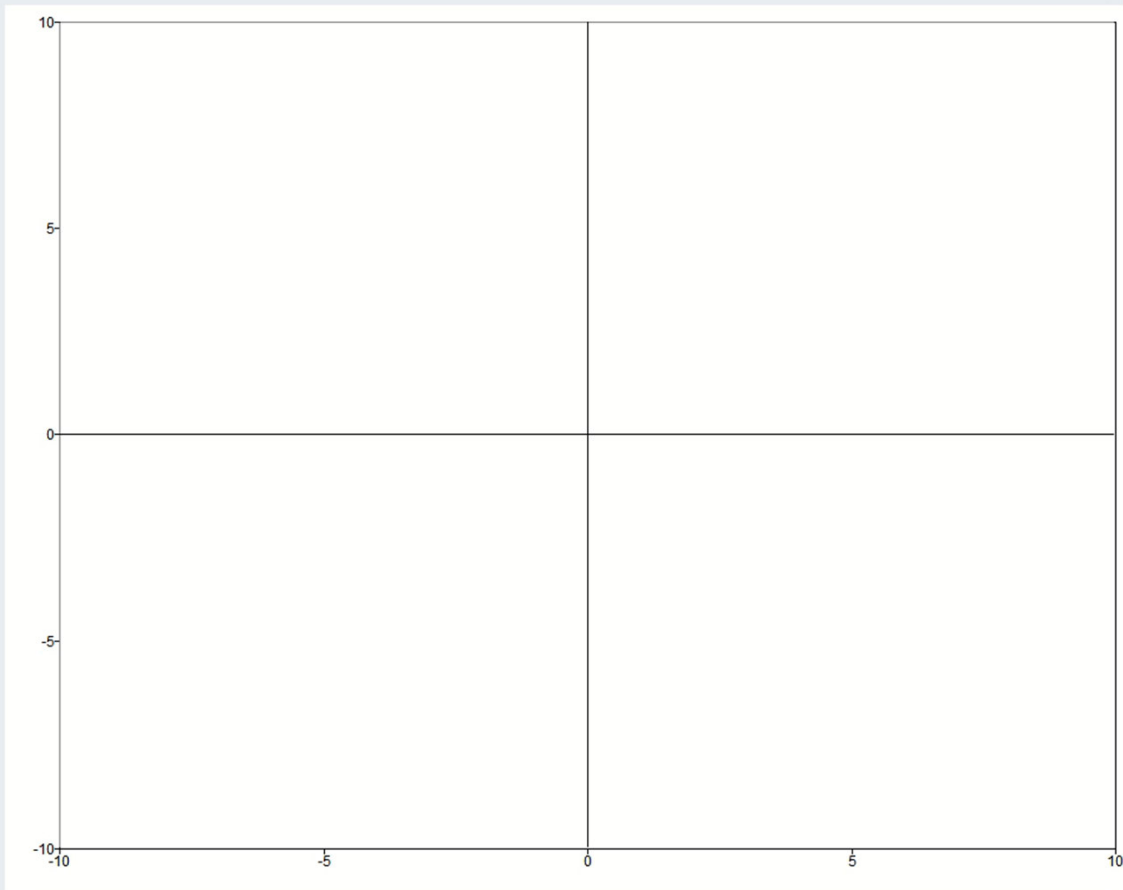
Percentage Change in the factors

Energy Intensity:

Carbon Intensity:

GDP:

Population:

Predict with change in reference factors

Next | Previous | Highlight All | Match Case

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SOLUTIONS to REDUCE GLOBAL AVERAGE TEMP

Reducing dependence on Conventional Energy sources e.g. Coal Power Plants

Switching to Renewable Sources

E-Mobility

Smart Grids

Sustainable Agricultural Practices

Waste Management and Segregation

Thank you
Questions?