How is Global Warming Making El Niño/Southern Oscillation Stronger?



Benjamin Goldman

White Plains High School

Science Research Symposium

Conclusion/Application

Future Research

SCIENCE FAIR PICTURE HERE

I carried out this project because I am really passionate about solving climate change. I enjoyed doing it because it was a great way to learn about data science.

Under the guidance of:

Dr. John Fasullo, National Center for Atmospheric research



I am interested in majoring in physics with the intent of becoming a data scientist.

For more information contact: bngldmn@gmail.com

Introduction

Climate Change



Chart, diagram

Description automatically generated

https://www.coolaustralia.org/the-greenhouse-effect-secondary/

El Niño/Southern Oscillation (ENSO)

Problem Statement

It is unclear what specific human-caused and natural factors are affecting ENSO intensity and how.

Research Questions:

1. Do the CESM1 and CESM2 climate models predict increased or decreased ENSO intensity in the future?
2. Is the predicted increase (or decrease) due to greenhouse emissions?