

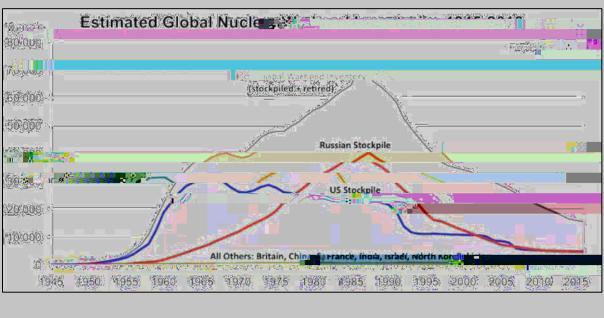
The Doomsday Clock was created by the Bulletin of the Atomic Scientists in 1947 and it represents the likelihood of a man-made global catastrophe. Currently, we are two minutes away from midnight, midnight meaning the destruction of humanity.

Could humanity bring about its own destruction?

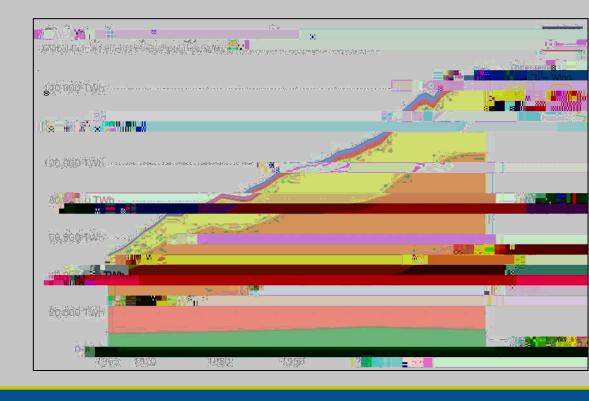
These are the current threats to humanity:

ClimateChange





Political Climate



NuclearWeaponArsenal



Technologies

Climate:

- Carbon dioxide concentration
- Ocean pH
- Ozone concentration.

Technologies(% of total energy produced per year):

- Sustainable technologies (geothermal, solar photovoltaic, solar thermal, tide, wind, hydroelectric, etc.)
- •Non-sustainable technologies: Coal energy
- Nuclear energy

Policial climate:

- •Global military expenditure (% of GDP)
- •Global political alignment: Right wing, left wing, centrist, no executive, no information
- Amount of international conflicts started per year

Nuclear weapon arsenal

midnight.

- •Use the tools available in machine learning to predict data.
- •Inspire college students to take on seemingly impossible projects.



TEOOTHILL COLLEGE

RESEARCH
SSEARCH
SYMPOSUM

Decision trees are notorious training data making them w

The Solution? Adding more randomly generated trees.

Random Forest: A Case For More Trees

By aggregating the predictions of all the trees, a Random Forest model is able make much more accurate predictions.

Fitting the Model: Training and Testing

