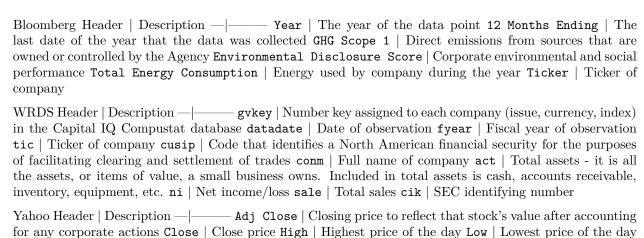# Predicting Environmental and Social Actions

This project focuses on predicting environmental and social actions based on historical data of ESG score, GHG scope, and total energy consumption. The objective is to give our client investment advice based on a company's environmental factors. # Data collection methodology

We have used Yahoo finance API, WHARTON Research Data Services, and Bloomberg terminal data.

Description of the data

Bloomberg Header | Description —|——— `Year` | The year of the data point `12 Months Ending` | The last date of the year that the data was collected `GHG Scope 1` | Direct emissions from sources that are owned or controlled by the Agency `Environmental Disclosure Score` | Corporate environmental and social performance `Total Energy Consumption` | Energy used by company during the year `Ticker` | Ticker of company

WRDS Header | Description —|——— `gvkey` | Number key assigned to each company (issue, currency, index) in the Capital IQ Compustat database `datadate` | Date of observation `fyear` | Fiscal year of observation `tic` | Ticker of company `cusip` | Code that identifies a North American financial security for the purposes of facilitating clearing and settlement of trades `conm` | Full name of company `act` | Total assets - it is all the assets, or items of value, a small business owns. Included in total assets is cash, accounts receivable, inventory, equipment, etc. `ni` | Net income/loss `sale` | Total sales `cik` | SEC identifying number

Yahoo Header | Description —|——— `Adj Close` | Closing price to reflect that stock's value after accounting for any corporate actions `Close` | Close price `High` | Highest price of the day `Low` | Lowest price of the day `Ticker` | Ticker of company `Volume` | The amount of an asset or security that changed hands during day