# 회귀분석 자료분석 과제 예비 보고서

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## 프로젝트 제목 및 주제

* 국가별 특성에 따른 CO2 배출량

## Dependent variable

* CO2 emissions (tonnes per person)

## Independent variable

* Population
  + Population
  + Population growth (annual %)
  + New births (total number, estimated)
  + Life expectancy (years)
* Environment
  + Agricultural land (% of land area)
  + forest coverage (%)
  + wood removal (cubic meter)
  + material footprint per capital (tonnes)
* Energy
  + Coal consumption, per person
  + Electricity generation, per person
  + Electricity use, per person
  + Residential electricity use, per person
  + Hydro electricity production, per person
  + Natural gas production, per person
  + Nuclear electricity production, per person
  + Oil consumption, per person
  + Oil production, per person
  + Energy production, per person
  + Energy use, per person
* Economy
  + Investment (% GDP)
  + Working hours per week
  + GDP/capita, (US$, inflation-adjusted)
  + GDP/capita, yearly growth
  + GDP/employee (US$, inflation-adjusted)
  + GDP/working hour (US$, inflation-adjusted)
  + Income per person (GDP / capita, PPP$ inflation-adjusted)
  + Agriculture (% of GDP)
  + Industry (% of GDP)
  + Services (% of GDP)
* Work
  + Agricultural workers (% of employment)
  + Industry workers (% of employment)
* Society
  + Democracy score (use as color, -10 ~ 10)
  + Human Development Index (HDI)
  + Military expenditure (% of GDP)