

Dataset: ShipEmissions.csv

Downloaded from http://users.stat.ufl.edu/~winner/data/ship_emissions2.txt

Source: L. Goldsworthy and B. Goldsworthy (2015). "Modelling of Ship Engine Exhaust Emissions in Ports and Extensive Coastal Waters Based on Terrestrial AIS Data - An Australian Case Study," Environmental Modelling & Software, Vol. 63, pp. 45-60.

Description: Ship fuel consumption and emissions for 34 ports in Australia. Variables are in tonnes (metric ton).

Variables:

Port

Fuel – fuel consumption

NO_x – oxides of nitrogen

SO₂ – sulfur dioxide

PM₁₀ – particulate matter ≤ 10 micrometers in diameter

PM_{2.5} – particulate matter ≤ 2.5 micrometers in diameter

VOC – volatile organic compounds

CO – carbon monoxide

PAH – Polycyclic aromatic hydrocarbons

CO₂e – carbon dioxide equivalent

BerthVisit – number of berth visits to that port over the study period

Note that variables are totals over the study period (2010/2011).

Note that some variable names were modified by Tamre Cardoso