

PROJECT: ANALYZING INDUSTRY CARBON EMISSIONS



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When factoring heat generation required for the manufacturing and transportation of products, *Greenhouse gas emissions attributable to products, from food to sneakers to appliances, make up more than 75% of global emissions.* [The Carbon Catalogue](#)

Our data, which is publicly available on [nature.com](#), contains product carbon footprints (PCFs) for various companies. PCFs are the greenhouse gas emissions attributable to a given product, measured in CO₂ (carbon dioxide equivalent).

This data is stored in a PostgreSQL database containing one table, `product_emissions`, which looks at PCFs by product as well as the stage of production that these emissions occurred. Here's a snapshot of what `product_emissions` contains in each column:

product_emissions	
field	data type
id	VARCHAR
year	INT
product_name	VARCHAR
company	VARCHAR
country	VARCHAR
industry_group	VARCHAR
weight_kg	NUMERIC
carbon_footprint_pcf	NUMERIC

field	data type
upstream_percent_total_pcf	VARCHAR
operations_percent_total_pcf	VARCHAR
downstream_percent_total_pcf	VARCHAR

You'll use this data to examine the carbon footprint of each industry in the dataset!

index	...	↑↓	industry_group
		0	Materials
		1	Capital Goods
		2	Technology Hardware & Equipment
		3	Food, Beverage & Tobacco
		4	Commercial & Professional Services
		5	Software & Services
Rows: 6			↗ Expand

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