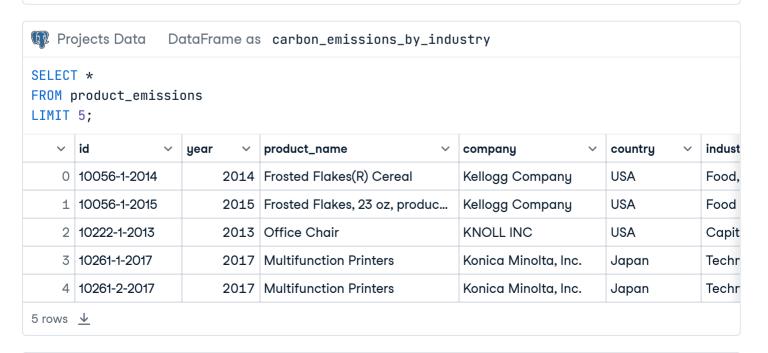
When factoring heat generation required for the manufacturing and transportation of products, Greenhouse gas emissions attributable to products, from food to sneakers to appliances, make up more than 75% of global emissions. The Carbon Catalogue 🖸

The data, which is publicly available on **nature.com** (2), 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).

Let's find out the number of unique companies and their total carbon footprint PCF for each industry group, filtering for the most recent year in the database.

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	
upstream_percent_total_pcf	VARCHAR	
operations_percent_total_pcf	VARCHAR	
downstream_percent_total_pcf	VARCHAR	



```
SELECT industry_group, COUNT(DISTINCT company) AS num_companies,
ROUND(SUM(carbon_footprint_pcf), 1) AS total_industry_footprint
FROM product_emissions
WHERE year IN (SELECT MAX(year) FROM product_emissions)
GROUP BY industry_group
ORDER BY total_industry_footprint DESC;
```

~	industry_group	num_companies
0	Materials	
1	Capital Goods	
2	Technology Hardware & Equipment	
3	Food, Beverage & Tobacco	
4	Commercial & Professional Services	
5	Software & Services	

6 rows <u>↓</u>