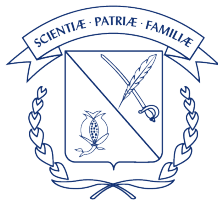


Introduction II

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FAEDIS

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Table of contents I

- 1 Please Read Me
- 2 Purpose
- 3 Firms or enterprises
- 4 Physical Environment
- 5 Products
- 6 Flows and stocks
- 7 Acknowledgments

- Check the message **Welcome greeting** published in the News Bulletin Board.
- Dear student please edit your profile uploading a photo where your face is clearly visible.
- The purpose of the virtual meetings is to answer questions and not to make a summary of the study material.
- If you want to participate, please fill out the following survey: Primer corte 30% > Learning Activities > Tu opinión sobre la economía colombiana
- This presentation is based on (Cardenas 2020, chap. 1)

Identify the main characteristics of the Colombian economy, especially those that differentiate it from other economies

Table 1: ISIC adapted for Colombia (DANE 2022, 134–677)

| Section | Division | Description |
|---------|----------|--|
| A | 01-03 | Agricultura, ganadería, caza, silvicultura y pesca |
| B | 05-09 | Explotación de minas y canteras |
| C | 10-33 | Industrias manufactureras |
| D | 35 | Suministro de electricidad, gas, vapor, y aire acondicionado |
| E | 36-39 | Distribución de agua; evacuación y tratamiento de aguas residuales, gestión de desechos y actividades de saneamiento ambiental |
| F | 41-43 | Construcción |
| G | 45-47 | Comercio al por mayor y al por menor; reparación de vehículos automotores y motocicletas |
| H | 49-53 | Transporte y almacenamiento |
| I | 55-56 | Alojamiento y servicios de comida |
| J | 58-63 | Información y comunicaciones |
| K | 64-66 | Actividades financieras y de seguros |

Table 2: ISIC adapted for Colombia (DANE 2022, 134–677)

| Section | Division | Description |
|---------|----------|---|
| L | 68 | Actividades inmobiliarias |
| M | 69-75 | Actividades profesionales, científicas y técnicas |
| N | 77-82 | Actividades de servicios administrativos y de apoyo |
| O | 84 | Administración pública y defensa; planes de seguridad social de afiliación obligatoria |
| P | 85 | Educación |
| Q | 86-88 | Actividades de atención de la salud humana y de asistencia social |
| R | 90-93 | Actividades artísticas, de entretenimiento y recreación |
| S | 94-96 | Otras actividades de servicios |
| T | 97-98 | Actividades de los hogares en calidad de empleadores; actividades no diferenciadas de los hogares individuales como productores de bienes y servicios para uso propio |
| U | 99 | Actividades de organizaciones y entidades extraterritoriales |

- Some key definitions:

- Enterprise: *“An economic unit that produces goods and services, made up of one or more establishments, which has the capacity in its own right to own assets, incur liabilities and carry out economic activities and transactions with other units.”* (DANE 2024, 92)
- Establishment: *“An economic unit with facilities defined by constructions that are permanently located in the same place, in which factors and resources are combined for the development of one or more economic activities.”* (DANE 2024, 92)

- Some key definitions **in the context of manufacturing, assuming the unit of observation is the establishment and the data is reported yearly**:
 - Aggregate value (Valor Agregado): Gross Production (Producción Bruta) - Intermediate Consumption (Consumo Intermedio) (DANE 2024, 32)
 - Gross Production (Producción Bruta) (DANE 2024, 28):
 - Value of all products, byproducts and work manufactured by the establishment in the year (+)
 - Value of electrical energy sold (+)
 - Value of subsidies accrued (causados) in the year (+)
 - Value of inventories of products in the process of manufacture at year end (+)
 - Value of products in the process of manufacture at the beginning of the year (-)

- Some key definitions **in the context of manufacturing, assuming the unit of observation is the establishment and the data is reported yearly**:
 - Intermediate Consumption: Value of non-durable goods and services used as inputs in the production process to produce other goods and services (Consumo Intermedio) (**DANE 2024, 29**)
 - For a detailed list about the variables included when calculating intermediate consumption check out (**DANE 2024, 29–31**)

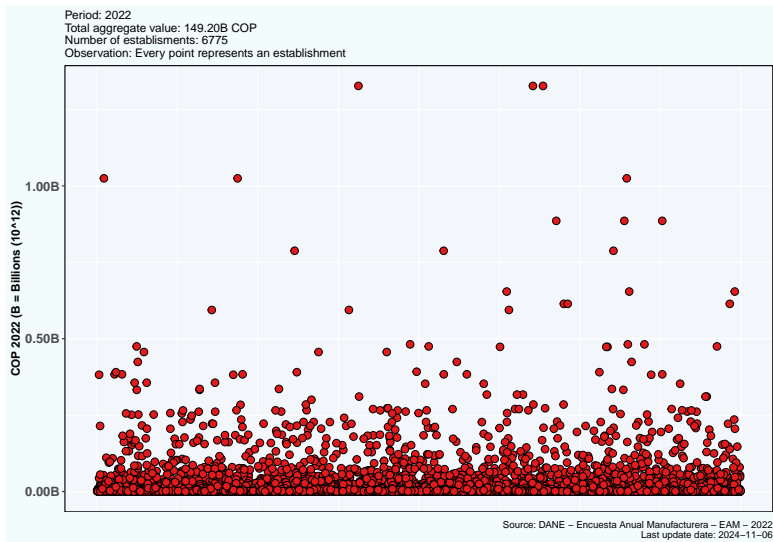


Figure 1: Distribution of aggregate value by establishment in the manufacturing Colombian sector

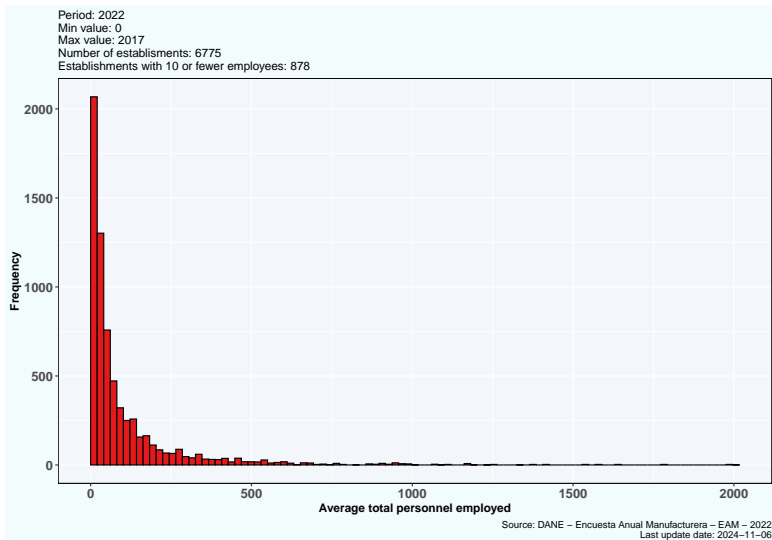


Figure 2: Distribution of average total personnel employed in the year in the manufacturing Colombian sector

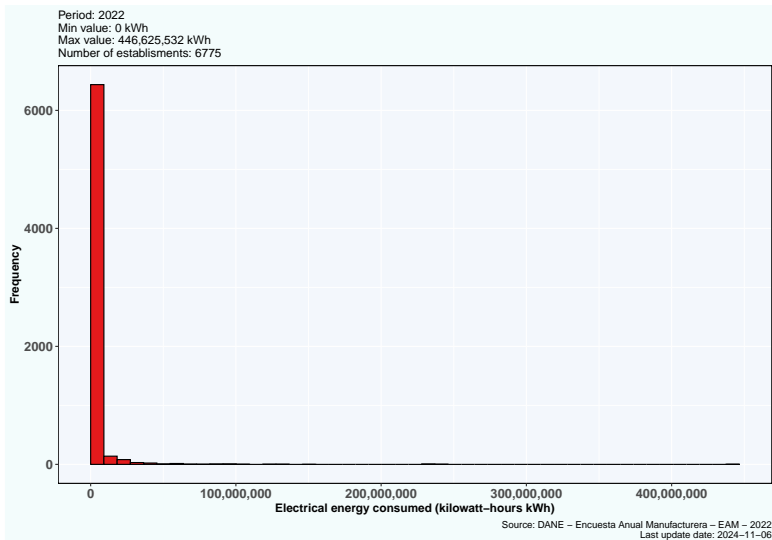


Figure 3: Distribution of electrical energy consumed in the manufacturing Colombian sector

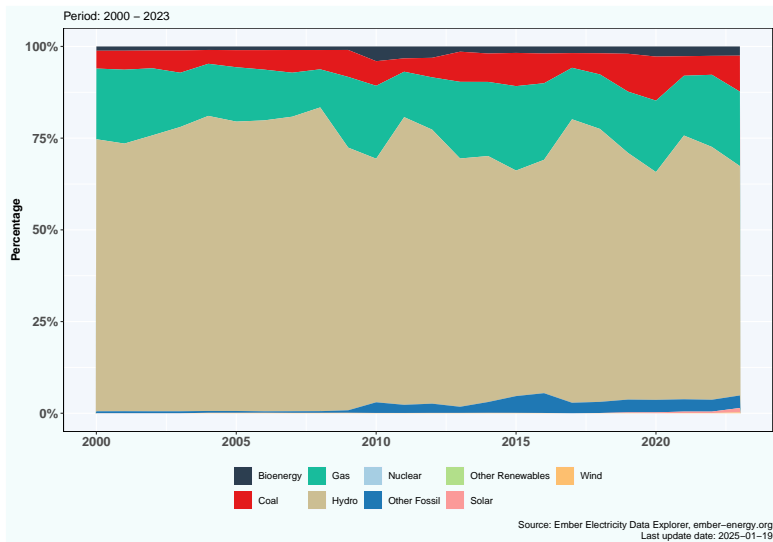


Figure 4: Percentage share of colombia electricity generation by source

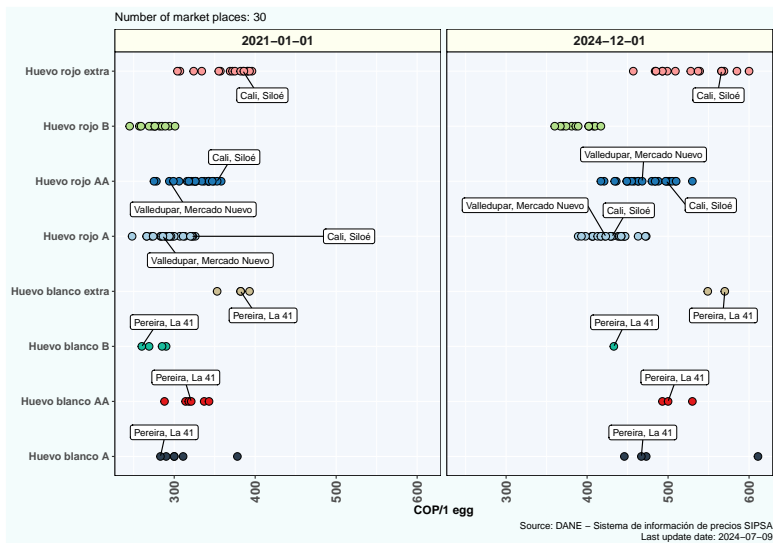


Figure 5: Egg mean wholesale prices in Colombian market places

- **Stock:** a variable that is measured at a particular point in time
- **Flow:** a variable that is measured over a period of time
- Example *Declaración de renta Gustavo Francisco Petro Urrego Año Gravable 2023:*
 - <https://www.funcionpublica.gov.co/fdci/consultaCiudadana>
 - Tipo de persona: NATURAL
 - Primer nombre: Gustavo
 - Segundo nombre: Francisco
 - Primer apellido: Petro
 - Segundo apellido: Urrego

- 2023-12-31

| | | | | | | | | | |
|------------|------------------------|----|---------------|--------|----|-------------|--------------------------|----|---------------|
| Patrimonio | Total patrimonio bruto | 29 | 1,573,515,000 | Deudas | 30 | 280,563,000 | Total patrimonio líquido | 31 | 1,292,952,000 |
|------------|------------------------|----|---------------|--------|----|-------------|--------------------------|----|---------------|

Figure 6: Patrimonio (stock)

- Between 2023-01-01 and 2023-12-31

| Conceptos/rentas | | Rentas de trabajo | | Rentas de trabajo que no provengan de una relación laboral o legal y reglamentaria |
|------------------------------------|-----------|--------------------|-----------|--|
| Ingresos brutos | 32 | 718,441,000 | 43 | 0 |
| Devoluciones, rebajas y descuentos | | | | |
| Ingresos no constitutivos de renta | 33 | 13,920,000 | 44 | 0 |
| Costos y deducciones procedentes | | | 45 | 0 |
| Renta líquida | 34 | 704,521,000 | 46 | 0 |
| Rentas líquidas pasivas - ECE | | | | |

Figure 7: Rentas de trabajo (flow)

- To my family that supports me
- To the taxpayers of Colombia and the **UMNG students** who pay my salary
- To the **Business Science** and **R4DS Online Learning** communities where I learn **R** and **π -thon**
- To the **R Core Team**, the creators of **RStudio IDE**, **Quarto** and the authors and maintainers of the packages **tidyverse**, **readxl**, **janitor**, **scales**, **knitr**, **kableExtra**, **lubridate**, **ggrepel**, **tidyquant**, and **tinytex** for allowing me to access these tools without paying for a license
- To the **Linux kernel community** for allowing me the possibility to use some **Linux distributions** as my main **OS** without paying for a license

References I

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- DANE. 2022. “Clasificación Industrial Internacional Uniforme de Todas Las Actividades Económicas Revisión 4 Adaptada Para Colombia (2022).” https://www.dane.gov.co/files/sen/nomenclatura/ciiu/CIIU_Rev_4_AC2022.pdf.
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