

### Comercio Internacional de Colombia

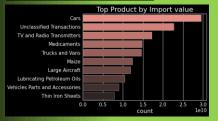
Exportaciones e importaciones de Colombia entre 1962 y 2017

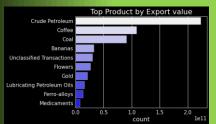
Final Data Triathlon | Olimpiadas | Platzi | Diego Lesmes ~ Data Scientist

# Ingeniería de datos Productos Grupos •Exportaciones •Países Importaciones Ciencia de datos Numerical data set for training R2 :-0.005973410640449872 0.0000 -0.00005 -0.00010 -0.00015

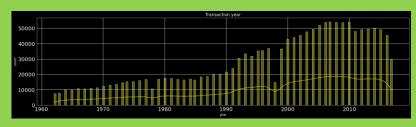
### Análisis Exploratorio de datos



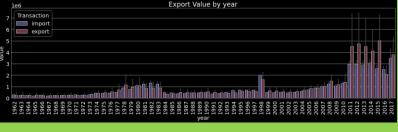


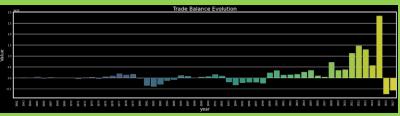




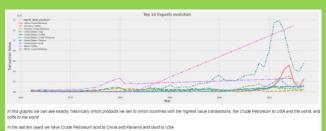








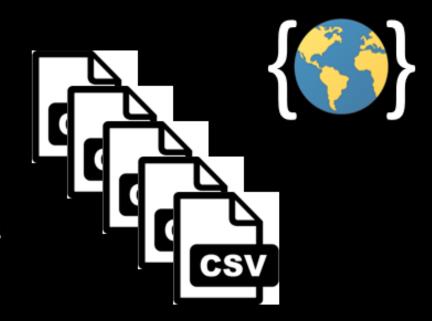


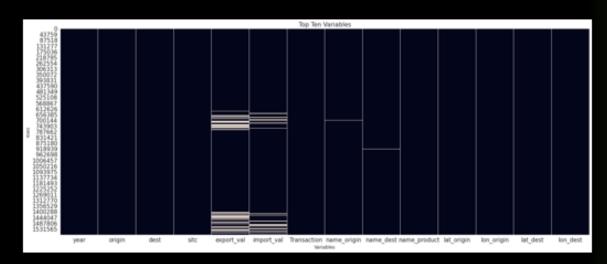


## Final Data Triathlon | Olimpiadas | Platzi | Diego Lesmes ~ Data Scientist

## Ingeniería de datos

- Productos
- Grupos
- Exportaciones
- Países
- Importaciones





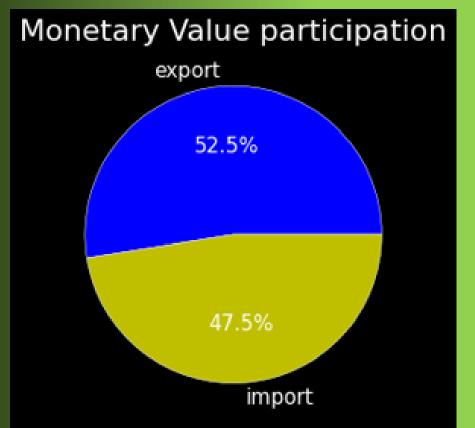
### Ciencia de datos



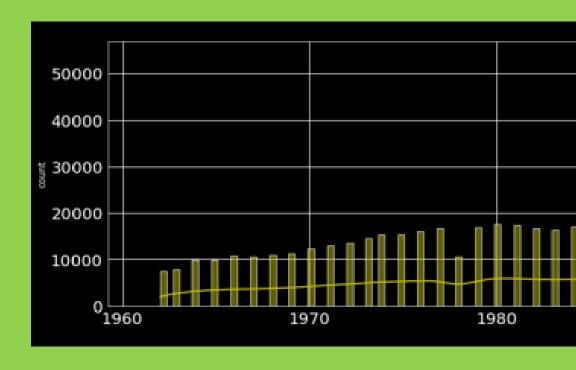




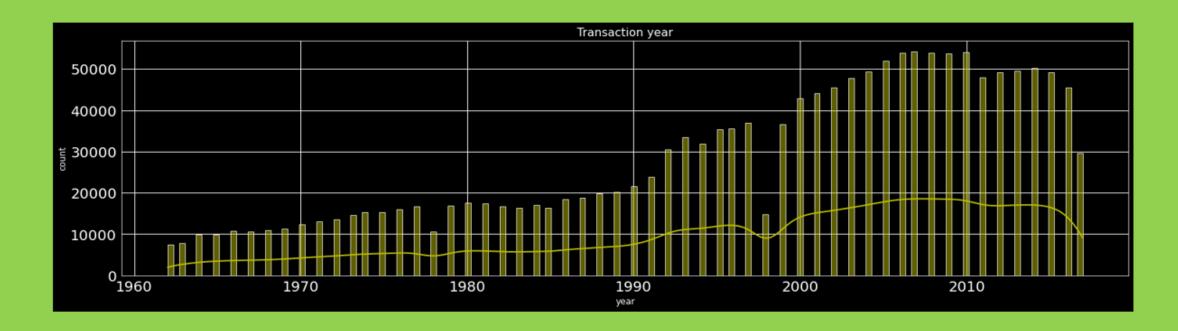
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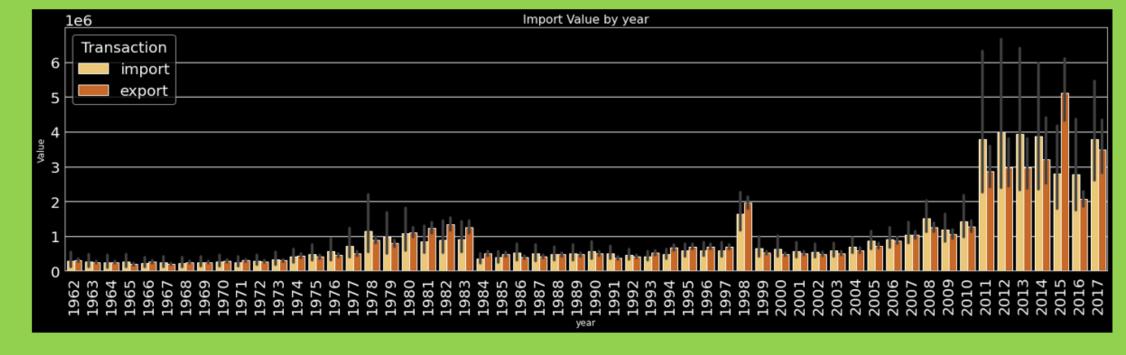






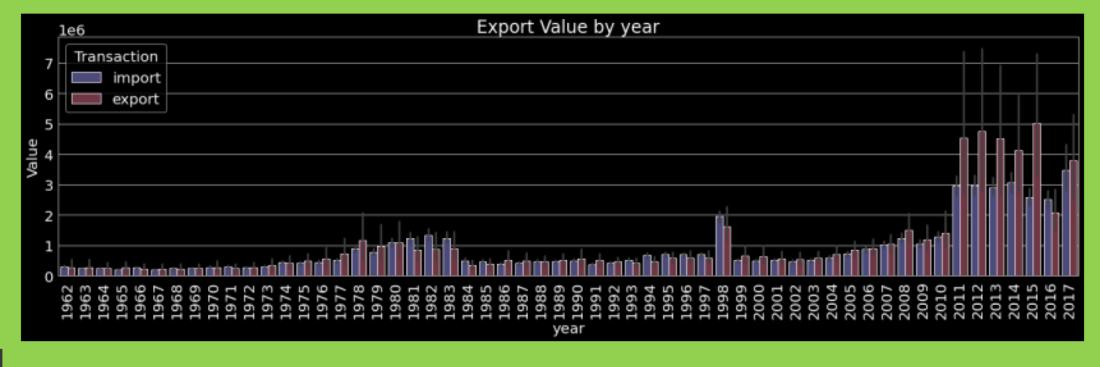




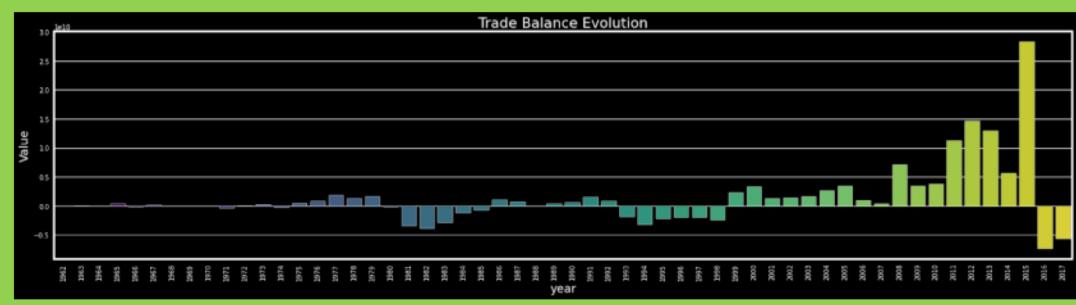




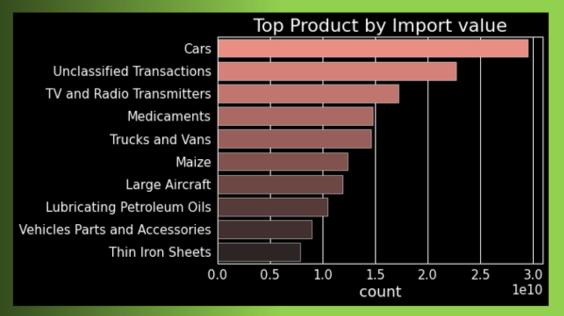


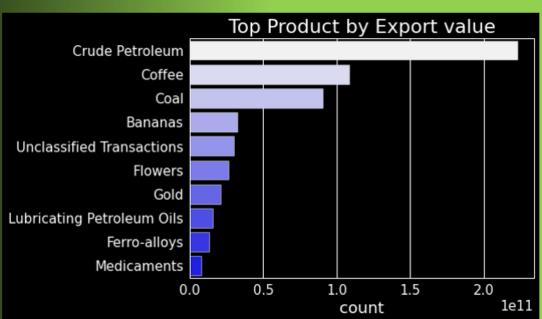


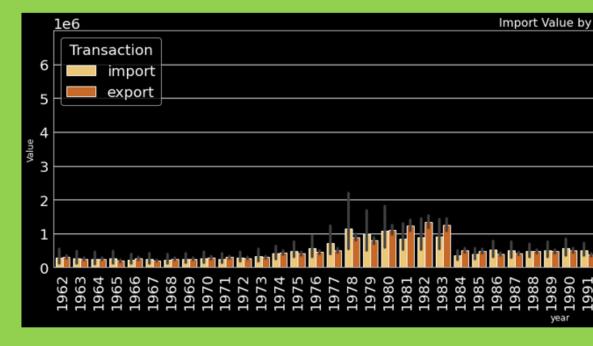


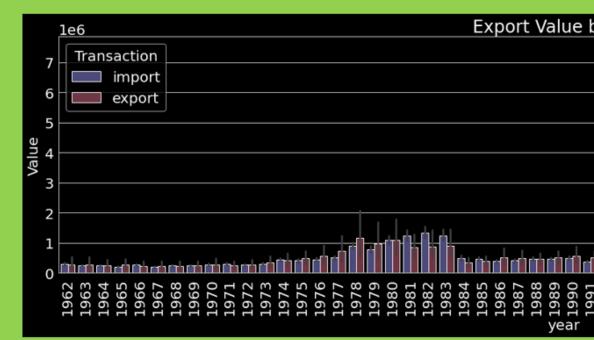




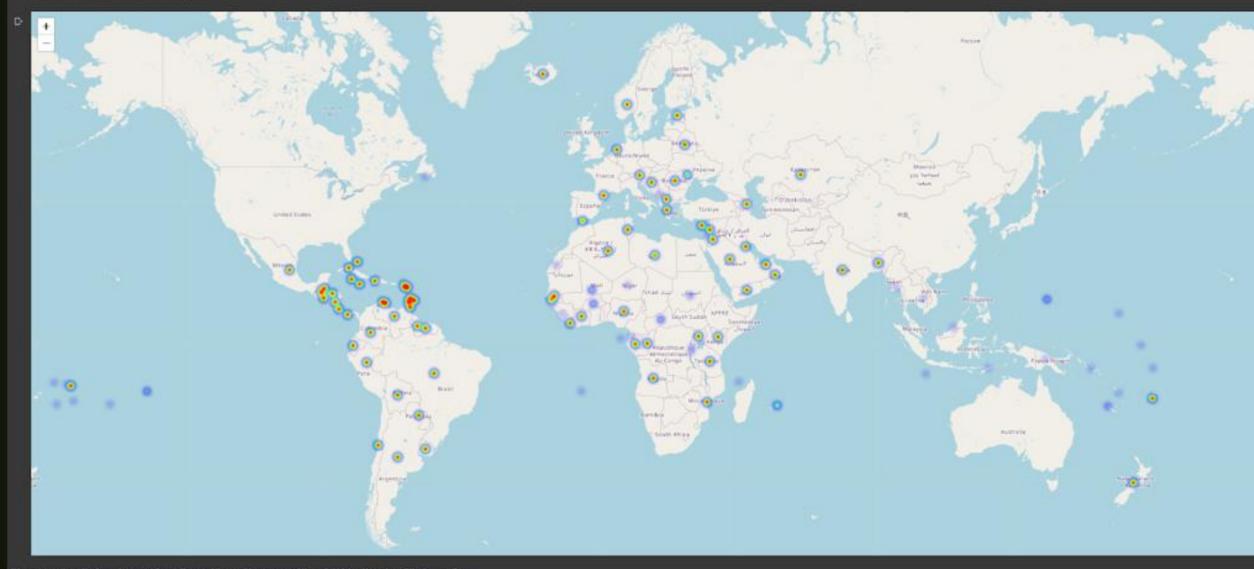






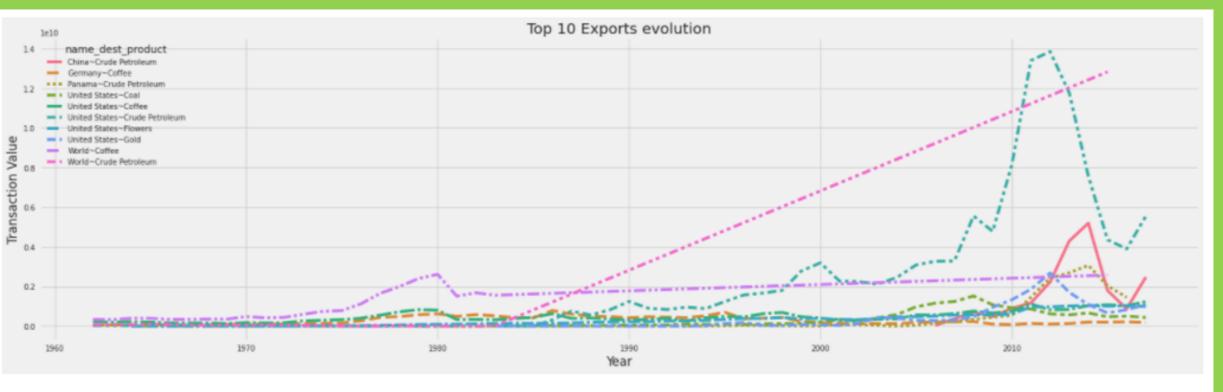


### • 21st Century Import Origins



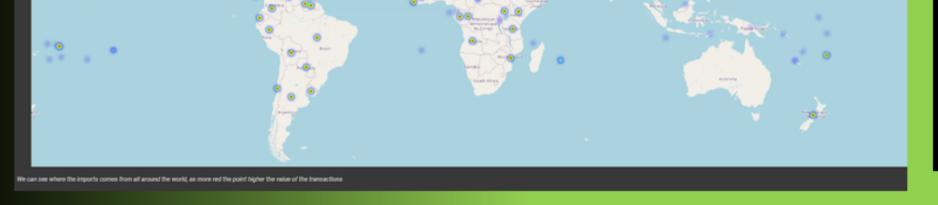
We can see where the imports comes from all around the world, as more red the point higher the value of the transactions

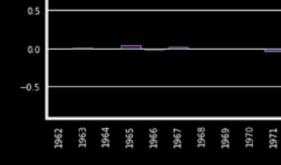


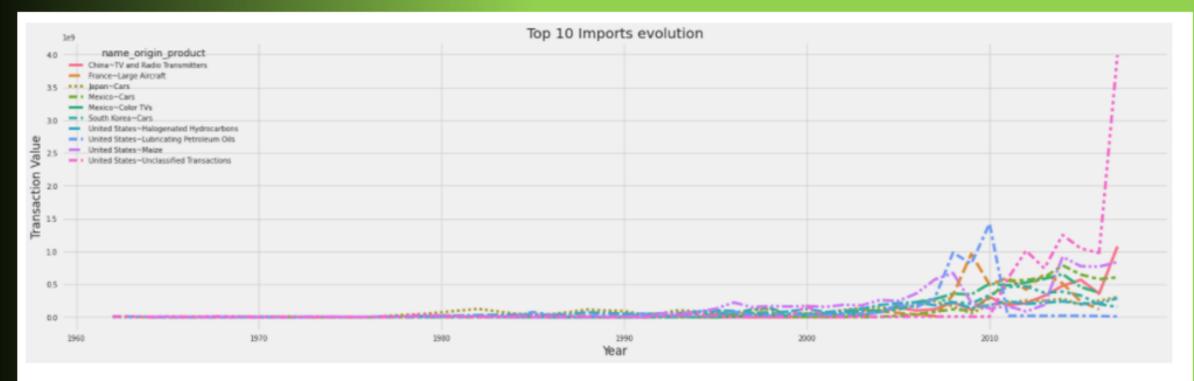


In this graphic we can see exactly historically which products we sell to which countries with the highest value transactions, the Crude Petroleum to USA and the world, and coffe to the world

In the last ten years we have Crude Petroleum sold to China and Panama and Gold to USA

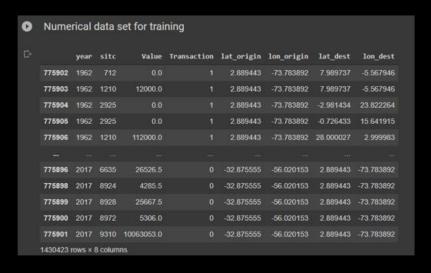


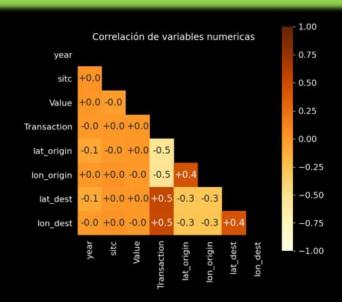




The Imports have been so different along the history, we have bought Lubricating Petroleum Oils to United States, Large Aircraft to France, Cars to Mexico and TV and Radio Transmitters to China

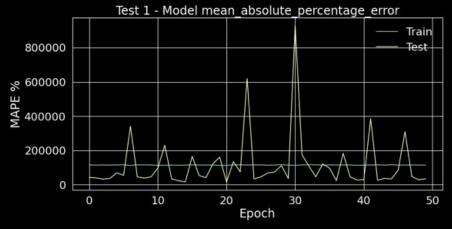
## Ciencia de datos

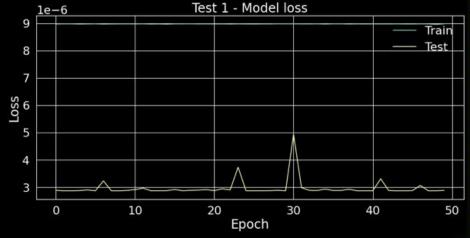




	Variable		Autovalor	Participacion	Acumulado
	0	year	2.846423e+21	1.000000e+02	100.0
	1	sitc	7.943518e+12	2.790702e-07	100.0
	2	Value	6.403370e+09	2.249620e-10	100.0
	3	Transaction	3.520487e+09	1.236811e-10	100.0
	4	lat_dest	5.603693e+08	1.968679e-11	100.0
	5	lon_origin	4.639822e+08	1.630053e-11	100.0
	6	lat_origin	2.598734e+08	9.129821e-12	100.0
	7	lon_dest	1.583099e+05	5.561714e-15	100.0

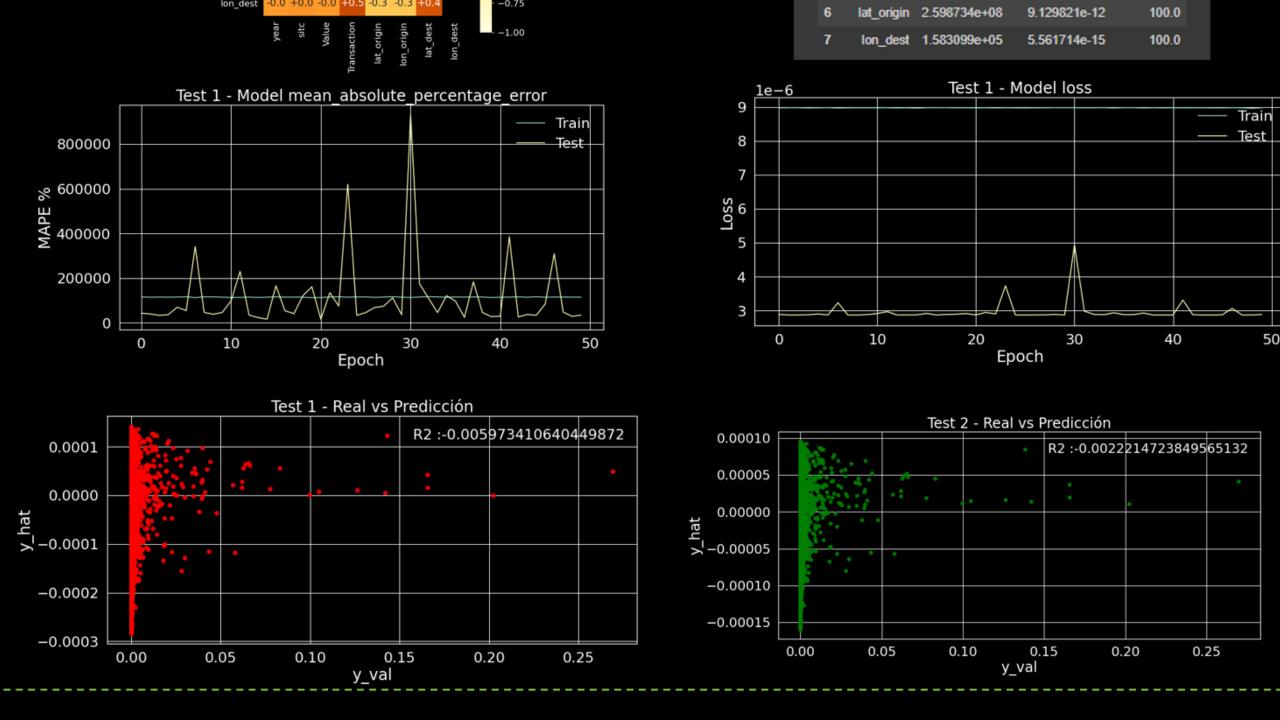
Model: "sequential"					
Layer (type)	Output	Shape	Param #		
dense (Dense)	(None,	8)	40		
dense_1 (Dense)	(None,	4)	36		
dense_2 (Dense)	(None,	2)	10		
dense_3 (Dense)	(None,	1)	3		
Fotal params; 89 Frainable params: 89 Non-trainable params: 8					













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