



# Proyecto autos eléctricos

Introducción a la  
análítica empresarial

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# Objetivos



## Objetivo 1

Proyectar  
contaminación al 2018

## Objetivo 2

Proyectar    venta    de  
autos al 2018

# Data sets

## Venta de autos en Noruega según marca: Tesla



DM13KNO · UPDATED 6 YEARS AGO

123

New Notebook

### New Car Sales in Norway

Monthly car sales for 2007-2017 by make and most popular models

Data Code (29) Discussion (3)

#### About Dataset

##### Context

On the morning of 10 January 2017, Opplysningsrådet for Veitrafikken (OFV), Norwegian road association, held a business breakfast for its member organizations, where they presented the [annual presentation](#) under the title "Car Year 2016. Status and trends" (Bilåret 2016 – stat og trender). Among the highlights for the year, OFV reported all-time-high sales of electric cars, with fully electric and plug-in hybrid cars accounting for 40.2% of all new car sales (compare to 7.4% for Sweden and 3.6% for Denmark). No other country in the world has this level popularity of battery-equipped vehicles! In November 2016, 12 out of 15 most popular cars sold in Norway were either hybrids of fully electric vehicles with BMW-i3 snapping the title as the most popular car in Norway, ahead of undisputed leader of the last decade VW Golf (including eGolf), according to [bilnorge.no](#). Among 10 most popular cars for the year, OFV reported, there was only one(!) fossil fuel vehicle.

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Tid	Alnabru N Dekning	Alnabru N Dekning	Alnabru N Dekning	Alnabru N Dekning	Alnabru P Dekning	Alnabru P Dekning	Alnabru P Dekning	Alnabru P Dekning	Alnabru P Dekning	Alnabru P Dekning	Alnabru P Dekning	Alnabru P Dekning
2	01.01.2007	158,5137	99	69,66431	99	311,882	99			36,21332	99	21,33924	99
3	01.02.2007	92,94356	99	53,95898	99	195,9689	99			25,46917	99	16,2782	99
4	01.03.2007	64,8188	76	52,08559	76	151,1487	76			49,42162	99		32
5	01.04.2007	26,10782	99	34,50782	99	74,4102	99			32,1645	96		0
6	01.05.2007	25,64201	99	33,36653	99	72,54756	99			25,37263	99		0
7	01.06.2007	28,91181	99	38,69691	99	82,87201	99			23,82865	99		74
8	01.07.2007	28,51583	99	29,13315	99	72,70271	99			14,45055	98	6,841816	98
9	01.08.2007	31,30433	99	34,03897	99	81,87456	99			20,7979	90	9,12987	93
10	01.09.2007	45,74684	99	34,66957	99	104,5729	99			16,90883	96	6,115493	99
11	01.10.2007	83,06793	99	47,38573	99	174,3118	99			27,25072	93	12,42775	94
12	01.11.2007	131,1843	98	59,16629	98	259,6181	98			34,08555	99	14,65272	100
13	01.12.2007 00:00		70		70		70				70		70
14	01.01.2008 00:00		0		0		0				0		0
15	01.02.2008 00:00		0		0		0						
16	01.03.2008 00:00		0		0		0						
17	01.04.2008 00:00		0		0		0						
18	01.05.2008 00:00		0		0		0						
19	01.06.2008 00:00		0		0		0						
20	01.07.2008 00:00		0		0		0						
21	01.08.2008 00:00		0		0		0						

## Emisiones NO2 autos en Noruega

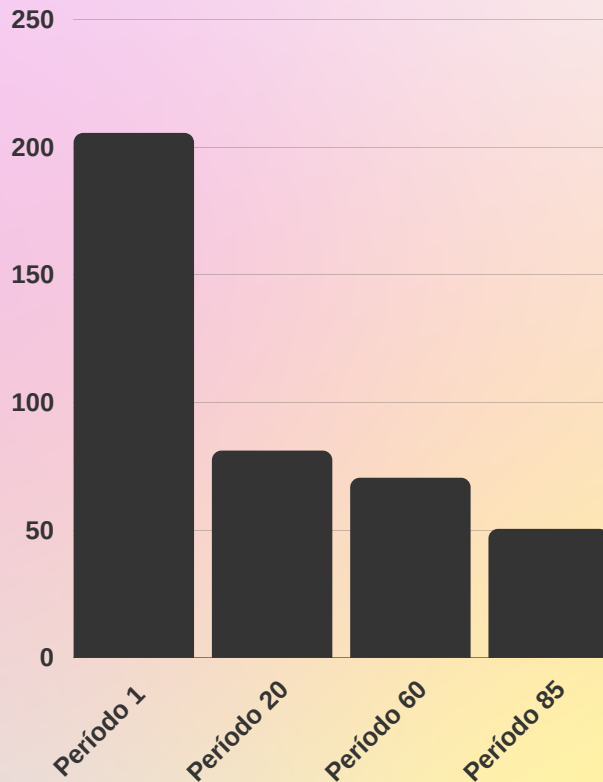
# Creación del modelo

## 2 modelos

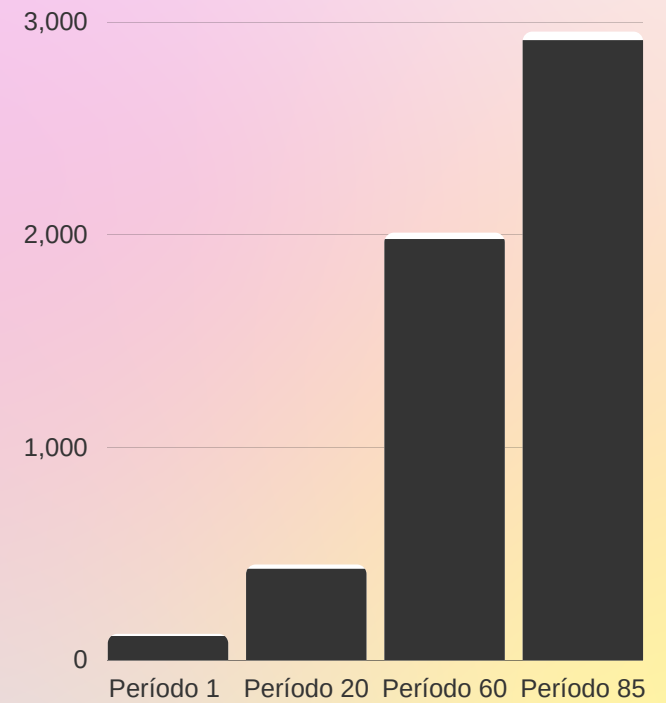
1- Contaminación

2- Venta de autos eléctricos

Modelo contaminacion



Modelo ventas de autos eléctricos



# 50,4 $\mu$ /m<sup>3</sup>

## Conclusiones

Emisiones se reducen a medida que aumenta la venta de autos eléctricos (periodos anteriores 130 y 104).