



**SDAIA**

الهيئة السعودية للبيانات  
والذكاء الاصطناعي  
Saudi Data & AI Authority

Final Project

# Analysis of the Saudi market in vehicles

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Submit to : Dr.Mejdal Alqahrani

# Introduction



**SDAIA**  
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Nowadays in Saudi arabia we noticed many developments and changes, first of all the vehicles and its changes , With the new resolution of women's driving , the most used and best sellers in KSA

What is the best ,what is the most , and what is available now to buy or rent?, we well going to answer all the questions

# Analysis of the Saudi market in vehicles



# SDAIA

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والذكاء الاصطناعي  
Saudi Data & AI Authority



هدهوبالا @hiq0... · 29/05/2020

Replying to @7ragksa

ابي اشري سياره بس تكون رخيصه وكويسه



sss9993 @sss99936 · 14/06/2020

ابي اشري سياره عائليه  
اللي يعرف فيه عروض يعلمني قبل رفع الضريبه  
#وش\_نوع\_السياره\_ولونه\_ورقمه



@heeo15x · 02/06/2020

#قياده\_المراه\_للسياره تكفون ابي تنصحوني ابي  
اشري سياره ويش تنصحوني كيف اشري ماعندي  
خلفيه ويش المطلوب ولا وين اروح للمعارض ولا  
التسوق الذكي والله ماعندي علم ولا خبره بالسيارات  
الي نصيحتكم بحثت ولا عرفت ساعدوني الله يجزاكم  
الحنه

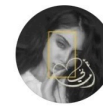


@uiggw · 12/06/2021

Replying to @ii97zd and @askc3r

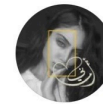
طيب اذا ابي اشري سياره مستعمل مثلا ٢٠١٨ او او  
٢٠ او ١٩

وعلى كلامهم اخر ثلاث سنين بدون فحص شلون



@1955\_aman · 24/05/2020

أبي اشري سياره قبل تزيد الضرائب 🙄



@1955\_aman · 26/10/2020

أبي اشري سياره ومو عارفه وش اختار



# DataCleaning

The dataset is presented in csv format. It contains 2287 rows and 6 columns of data about most used cars in SA , their numbers, and their model by transmission for each car . In addition to the price income and year data for each car brand

## Before cleaning :

dfcar

	car_brand	car_model	car_driven	car_transmission	car_model_year	car_price
0	Hyundai	Tucson	83491.0	Automatic	2018	64000.0
1	Chevrolet	Trailblazer	222000.0	Automatic	2009	20000.0
2	Great	Wall	0.0	Automatic	2022	135000.0
3	Ford	Fusion	178000.0	Automatic	2012	23000.0
4	Mitsubishi	Attrage	10500.0	Automatic	2020	32000.0
...	...	...	...	...	...	...
2282	BMW	7	99000.0	Automatic	2015	103000.0
2283	Ford	Expedition	33000.0	Automatic	2018	185000.0
2284	Chevrolet	Tahoe	48000.0	Automatic	2018	135000.0
2285	Chevrolet	Tahoe	50000.0	Automatic	2018	135000.0
2286	Hyundai	Sonata	76000.0	Automatic	2016	73000.0

2287 rows × 6 columns

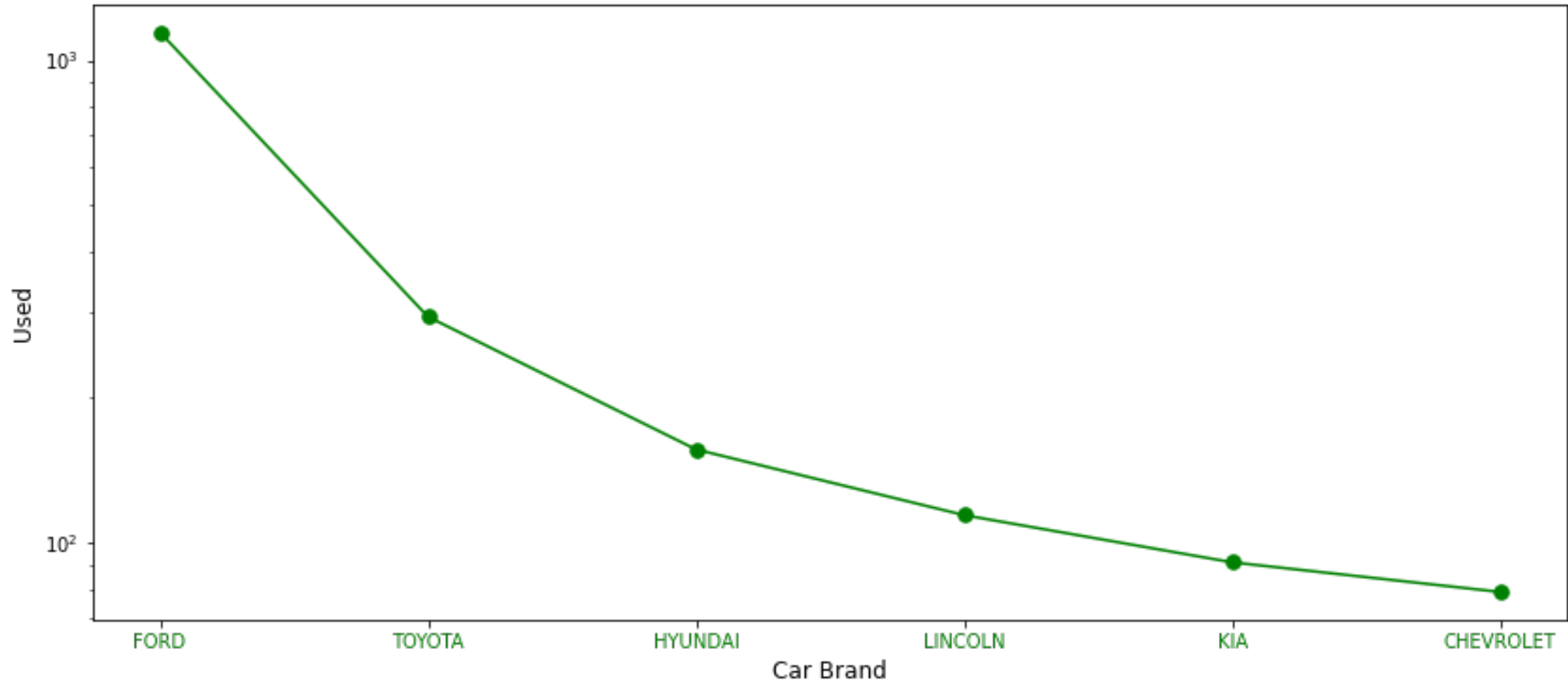
## After cleaning

	car_brand	car_model	car_driven	car_transmission	car_model_year	car_price
0	HYUNDAI	Tucson	83491.0	Automatic	2018	64000.0
1	CHEVROLET	Trailblazer	222000.0	Automatic	2009	20000.0
2	FORD	Fusion	178000.0	Automatic	2012	23000.0
3	MITSUBISHI	Attrage	10500.0	Automatic	2020	32000.0
4	HONDA	HR-V	1000.0	Automatic	2021	80000.0
...	...	...	...	...	...	...
2274	BMW	7	99000.0	Automatic	2015	103000.0
2275	FORD	Expedition	33000.0	Automatic	2018	185000.0
2276	CHEVROLET	Tahoe	48000.0	Automatic	2018	135000.0
2277	CHEVROLET	Tahoe	50000.0	Automatic	2018	135000.0
2278	HYUNDAI	Sonata	76000.0	Automatic	2016	73000.0

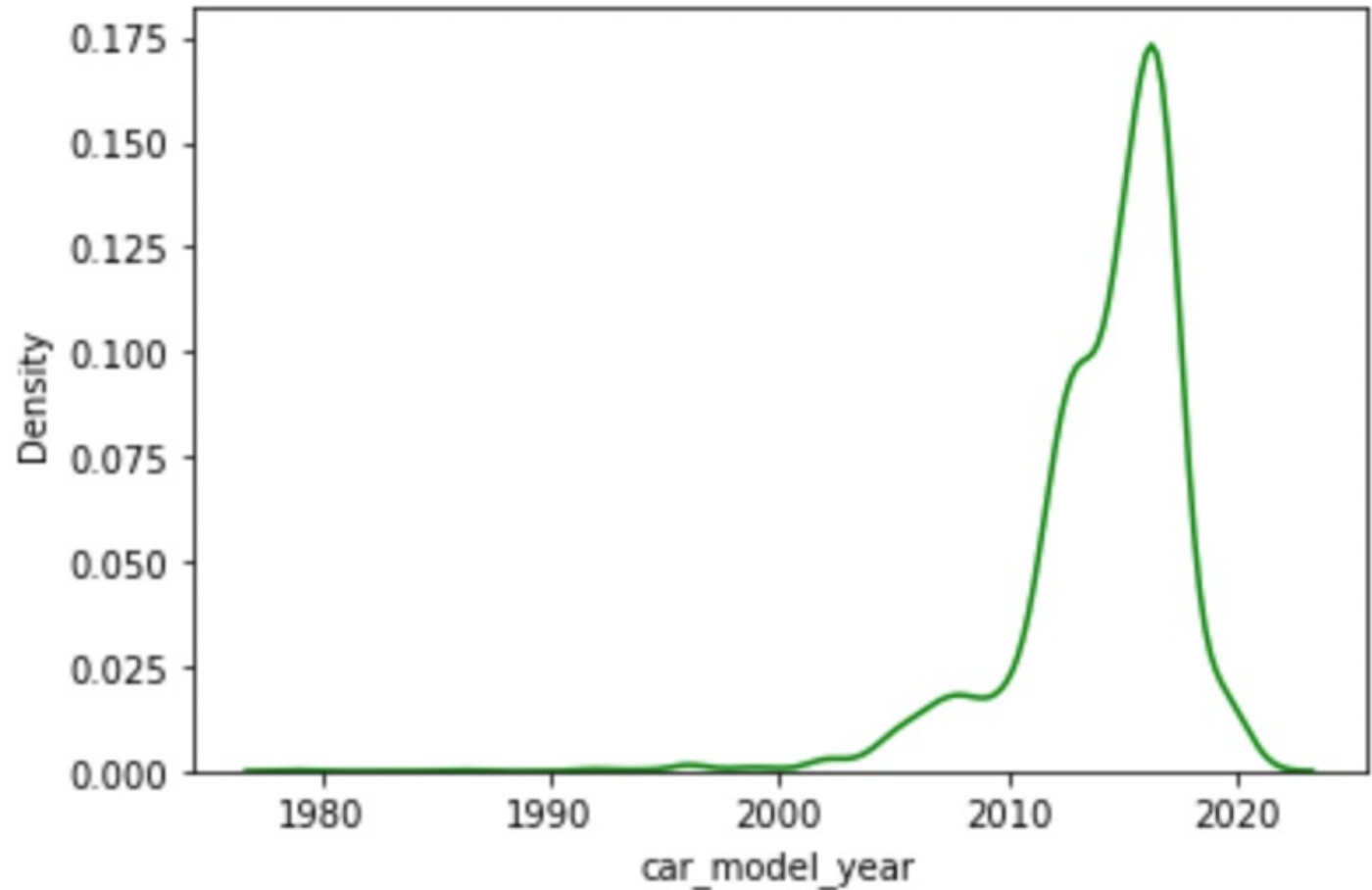
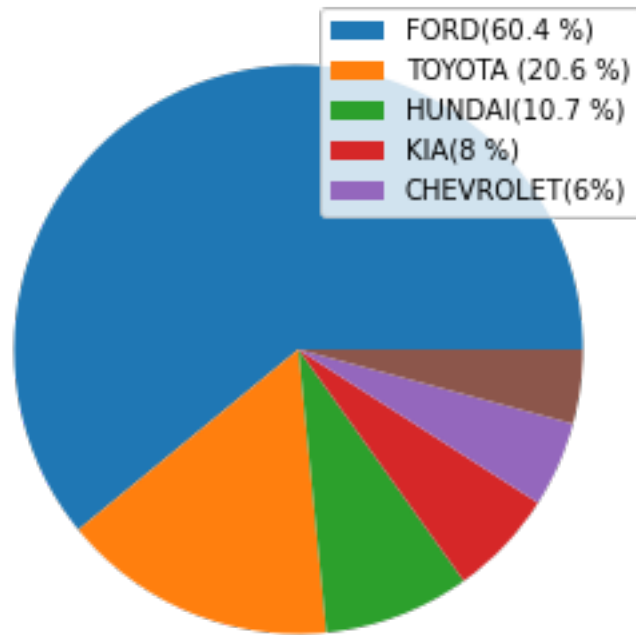
2279 rows × 6 columns

# What is the Most used cars in SA?

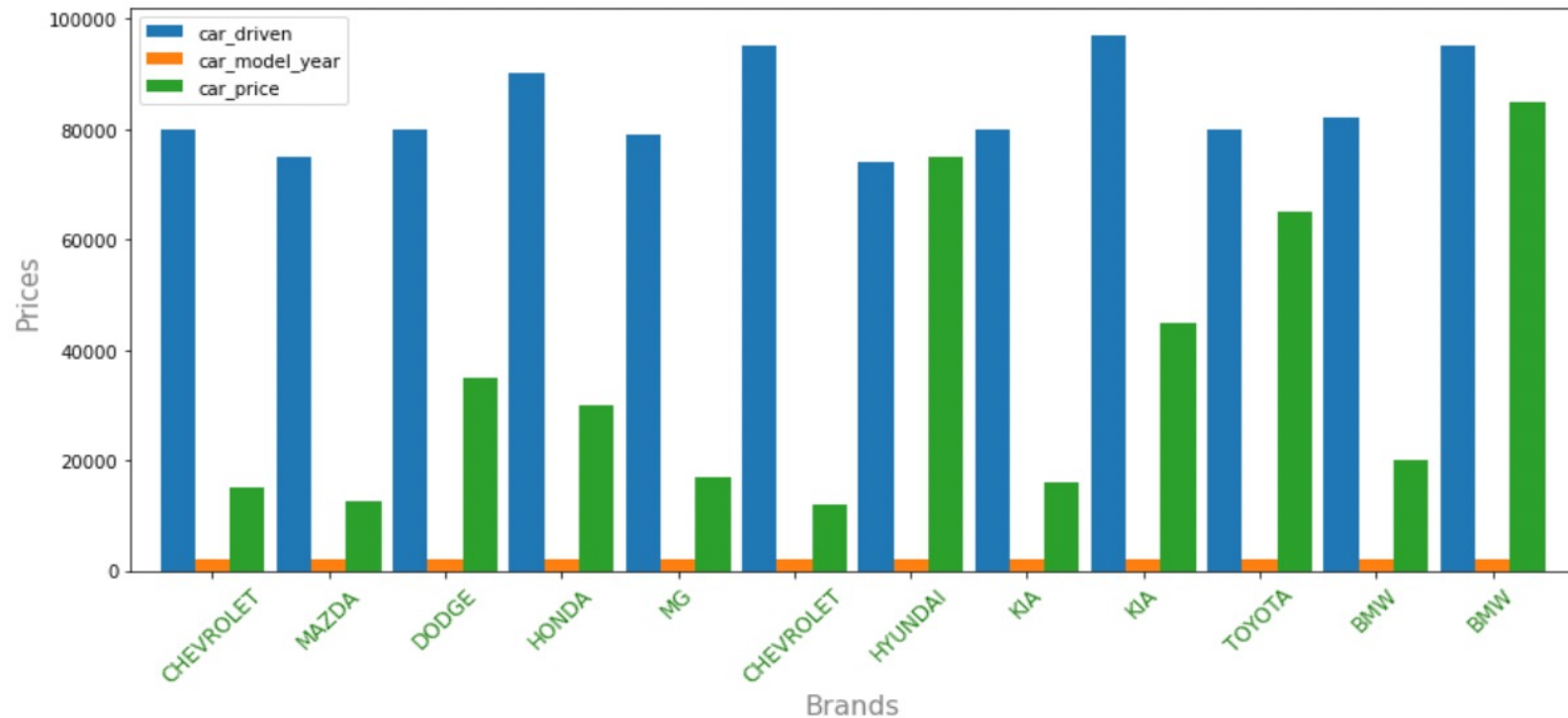
## The most used cars in KSA



What is the most years of cars selling in SA ? What is it



# What cars are available based on specific requests from the customer?



# Is there a relationship between car driven , price and what is it?

## Correlation

