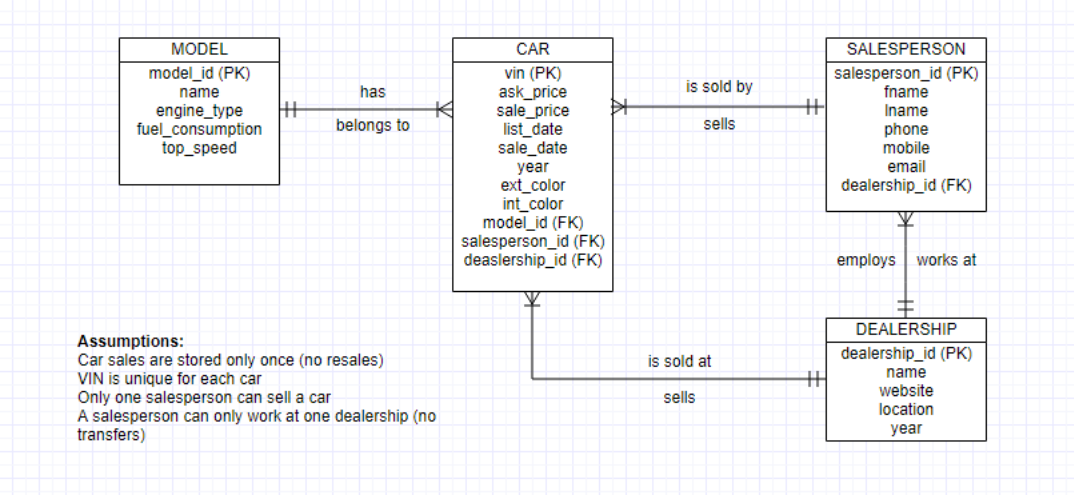
Jessica Li (jli6)

DATABASE PROJECT

PART 1: DATA MODELING, CREATION AND BASIC QUERIES

ERD



Data Dictionary

MODEL			
Field	**Data Type**	**Description**	**Example Data**
Model_ID (PK)	INT	The unique ID for each model (required)	500
name	VARCHAR	The name of the model	Huracan Coupe
engine_type	VARCHAR	The type of engine in the model	V8
fuel_consumption	VARCHAR	Average fuel consumption of the model	12.3 l/100 km
top_speed	VARCHAR	The top speed performance measure of the model	324 km/h

CAR			
Field	**Data Type**	**Description**	**Example Data**
VIN (PK)	VARCHAR	The unique ID for each car (required)	SCBGE11RXBLA13261
ask_price	DECIMAL	The retail price of car	219800.00
sale_price	DECIMAL	The price the car was sold at	215000.00
list_date	DATE	The date the car was put on market	2017-01-01
sale_date	DATE	The date the car was sold	2017-01-01
year	YEAR	The year the car was made	2016
ext_color	VARCHAR	The exterior color of the car	Havana
int_color	VARCHAR	The interior color of the car	Beluga
Model_ID (FK)	INT	The unique ID of the model of the car	550
Salesperson_ID (FK)	INT	The unique ID of the person who sold the car	1
Dealership_ID (FK)	INT	The unique ID of the dealership the car was sold from	104

SALESPERSON			
Field	**Data Type**	**Description**	**Example Data**
Salesperson_ID	INT	The unique ID of the salesperson	1
Fname	VARCHAR	The last name of the salesperson	Liu
Lname	VARCHAR	The first name of the salesperson	Allen
Phone	VARCHAR	Phone number of the salesperson	85389865476
Mobile	VARCHAR	Mobile number of the salesperson	310 837 2039
Email	VARCHAR	Email address of the salesperson	aliu@lamborghini.com
Dealership_ID	INT	The unique ID of the dealership the salesperson works for	100

DEALERSHIP			
Field	**Data Type**	**Description**	**Example Data**
Dealership_ID	INT	The unique ID of the dealership	100
Name	VARCHAR	Name of the dealership	Lamborghini Milano
Website	VARCHAR	The URL of the website	https://lamborghini-milano.com/it
Location	VARCHAR	The location of the dealership	Milano, Italy
Year	YEAR	Year the dealership was created	1982

Database

Car

Browse | Structure | SQL | Search | Insert | Export | Import | Operations | Triggers

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	vin	varchar(100)	utf8_bin		No	*None*		Change Drop Primary Unique Index Spatial Fulltext Distinct values
2	ask_price	decimal(10,2)			No	*None*		Change Drop Primary Unique Index Spatial Fulltext Distinct values
3	sale_price	decimal(10,2)			No	*None*		Change Drop Primary Unique Index Spatial Fulltext Distinct values
4	list_date	date			No	*None*		Change Drop Primary Unique Index Spatial Fulltext Distinct values
5	sale_date	date			No	*None*		Change Drop Primary Unique Index Spatial Fulltext Distinct values
6	year	year(4)			No	*None*		Change Drop Primary Unique Index Spatial Fulltext Distinct values
7	ext_color	varchar(100)	utf8_bin		No	*None*		Change Drop Primary Unique Index Spatial Fulltext Distinct values
8	int_color	varchar(100)	utf8_bin		No	*None*		Change Drop Primary Unique Index Spatial Fulltext Distinct values
9	model_id	int(11)			No	*None*		Change Drop Primary Unique Index Spatial Fulltext Distinct values
10	salesperson_id	int(100)			No	*None*		Change Drop Primary Unique Index Spatial Fulltext Distinct values
11	dealership_id	int(100)			No	*None*		Change Drop Primary Unique Index Spatial Fulltext Distinct values

Check all *With selected:* Browse Change Drop Primary Unique Index

Showing rows 0 - 24 (500 total, Query took 0.0005 seconds.)

```
SELECT * FROM `CAR`
```

1 > >> | Show all | Number of rows: 25 | Filter rows: Search this table

Sort by key: None

+ Options

	vin	ask_price	sale_price	list_date	sale_date	year	ext_color	int_color	model_id	salesperson_id	dealership_id
Edit Copy Delete	SCBGE11RXBLA13261	219800.00	215000.00	2017-01-01	2017-01-01	2016	Havana	Beluga	550	1	104
Edit Copy Delete	SCBGE11RXBLA13262	219800.00	211789.00	2017-01-01	2017-01-01	2016	Granite	Magnolia - Dark Stained Burr Walnut	550	2	102
Edit Copy Delete	SCBGE11RXBLA13263	219800.00	215000.00	2017-01-01	2017-01-02	2016	Granite	Magnolia - Dark Stained Burr Walnut	550	2	102
Edit Copy Delete	SCBGE11RXBLA13264	219800.00	218000.00	2017-01-01	2017-01-03	2017	Havana	Magnolia - Dark Stained Burr Walnut	550	1	104
Edit Copy Delete	SCBGE11RXBLA13265	219800.00	215000.00	2017-01-01	2017-01-04	2017	Moonbeam	Magnolia - Chestnut	550	1	104
Edit Copy Delete	SCBGE11RXBLA13266	219800.00	215282.00	2017-01-01	2017-01-05	2017	Windsor Blue	Magnolia - Chestnut	550	1	104
Edit Copy Delete	SCBGE11RXBLA13267	219800.00	220567.00	2017-01-01	2017-01-01	2017	Windsor Blue	Beluga	550	1	104
Edit Copy Delete	SCBGE11RXBLA13268	219800.00	220000.00	2017-01-01	2017-01-01	2017	St James Red (Solid)	Beluga	550	1	104
Edit Copy Delete	SCBGE11RXBLA13269	219800.00	215930.00	2017-01-01	2017-01-01	2017	Windsor Blue	Magnolia - Dark Stained Burr Walnut	550	1	104
Edit Copy Delete	SCBGE11RXBLA13270	219800.00	215678.00	2017-01-01	2017-01-01	2017	Blue Crystal	Magnolia - Dark Stained Burr Walnut	550	1	104
Edit Copy Delete	SCBGE11RXBLA13271	219800.00	215999.00	2017-01-01	2017-01-01	2017	Blue Crystal	Magnolia - Dark Stained Burr Walnut	550	2	102
Edit Copy Delete	SCBGE11RXBLA13272	219800.00	220837.00	2017-04-25	2017-04-25	2017	Windsor Blue	Beluga	550	9	100
Edit Copy Delete	SCBGE11RXBLA13273	219800.00	220000.00	2017-04-25	2017-04-26	2017	Blue Crystal	Magnolia - Dark Stained Burr Walnut	550	9	100
Edit Copy Delete	SCBGE11RXBLA13274	219800.00	220846.00	2017-04-25	2017-04-25	2017	Blue Crystal	Magnolia - Dark Stained Burr Walnut	550	1	104
Edit Copy Delete	SCBGE11RXBLA13275	219800.00	220474.00	2017-04-25	2017-04-25	2017	Blue Crystal	Magnolia - Dark Stained Burr Walnut	550	2	102
Edit Copy Delete	SCBGE11RXBLA13276	219800.00	224000.00	2017-04-25	2017-04-25	2017	Blue Crystal	Linen	550	4	104
Edit Copy Delete	SCBGE11RXBLA13277	219800.00	222500.00	2017-04-25	2017-04-25	2017	St James Red (Solid)	Magnolia - Chestnut	550	4	104
Edit Copy Delete	SCBGE11RXBLA13278	219800.00	219800.00	2017-04-25	2017-04-26	2017	St James Red (Solid)	Beluga	550	4	104
Edit Copy Delete	SCBGE11RXBLA13279	219800.00	220000.00	2017-04-25	2017-04-27	2017	St James Red (Solid)	Beluga	550	4	104
Edit Copy Delete	SCBGE11RXBLA13280	219800.00	220000.00	2017-04-25	2017-04-25	2017	Granite	Beluga	550	4	104
Edit Copy Delete	SCBGE11RXBLA13281	219800.00	220600.00	2017-04-25	2017-04-25	2017	Granite	Magnolia - Chestnut	550	4	104
Edit Copy Delete	SCBGE11RXBLA13282	219800.00	220837.00	2017-04-25	2017-04-25	2017	St James Red (Solid)	Magnolia - Dark Stained Burr Walnut	550	8	101
Edit Copy Delete	SCBGE11RXBLA13283	219800.00	221500.00	2017-04-25	2017-04-26	2017	Blue Crystal	Beluga	550	8	101
Edit Copy Delete	SCBGE21RXBLA14261	209000.00	205000.00	2017-01-01	2017-01-05	2017	Blue Crystal	Beluga	551	6	101
Edit Copy Delete	SCBGE21RXBLA14262	209000.00	205000.00	2017-01-01	2017-01-06	2017	Blue Crystal	Beluga	551	6	101

Salesperson

Browse | Structure | SQL | Search | Insert | Export | Import | Operations | Triggers

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	salesperson_id	int(100)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
2	fname	varchar(100)	utf8_bin		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
3	lname	varchar(100)	utf8_bin		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
4	phone	varchar(100)	utf8_bin		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
5	mobile	varchar(100)	utf8_bin		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
6	email	varchar(100)	utf8_bin		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
7	dealership_id	int(100)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values

Check all *With selected:* Browse Change Drop Primary Unique Index

Print view | Propose table structure | Move columns | Improve table structure

Add 1 column(s) after dealership_id Go

+ Indexes

Information

Space usage		Row statistics	
Data	16 KiB	Format	dynamic
Index	16 KiB	Collation	utf8_bin
Total	32 KiB	Creation	Apr 04, 2018 at 02:30 AM
		Last update	Apr 04, 2018 at 02:30 AM

Browse | Structure | SQL | Search | Insert | Export | Import | Operations | Triggers

Showing rows 0 - 10 (11 total, Query took 0.0003 seconds.)

```
SELECT * FROM `SALESPERSON`
```

Show all | Number of rows: 25 | Filter rows: Search this table

Sort by key: None

+ Options

	salesperson_id	fname	lname	phone	mobile	email	dealership_id
Edit Copy Delete	1	Allan	Zhu	82 (2) 2553 7713	852 9374 7713	allan_zhu@lamborghini.com	104
Edit Copy Delete	2	Bibin	Khail	702 44114411	974 64174841	bkhalil@lamborghini.com	102
Edit Copy Delete	3	Brian	Frye	888 294 1133	310 384 3843	carman@lamborghini.com	101
Edit Copy Delete	4	Elaine	Lee	82 (2) 2553 7713	852 9384 3334	e_lee@lamborghini.com	104
Edit Copy Delete	5	Minji	Kim	82 (2) 2553 7713	852 8986 5476	m_kim@lamborghini.com	104
Edit Copy Delete	6	Kelly	Mazur	888 294 1133	310 837 2039	kmazur@lamborghini.com	101
Edit Copy Delete	7	Nadia	Howe	702 44114411	974 93843439	nhowe@lamborghini.com	102
Edit Copy Delete	8	Ray	Collepay	888 294 1133	310 823 3402	salepro@lamborghini.com	101
Edit Copy Delete	9	Sebastian	Craig	39 (0)30 8866 7888	39 (0)30 8866 1254	sc@lamborghini.com	100
Edit Copy Delete	10	Thomas	Whitney	39 (0)30 8866 7888	39 (0)30 4356 9384	tw@lamborghini.com	100
Edit Copy Delete	11	Veronika	Wagner	39 (0)30 8866 7888	39 (0)30 3947 3984	vw@lamborghini.com	100

Check all *With selected:* Edit Copy Delete Export

Model

Browse | Structure | SQL | Search | Insert | Export | Import | Operations | Triggers

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	model_id	int(11)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
2	name	varchar(100)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
3	enginetype	varchar(100)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
4	fuel_consump	varchar(100)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
5	top_speed	varchar(100)	latin1_swedish_ci		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values

Check all *With selected:* Browse Change Drop Primary Unique Index

Print view | Propose table structure | Move columns | Improve table structure

Add 1 column(s) after top_speed Go

+ Indexes

Information

Space usage	
Data	16 KiB
Index	0 B
Total	16 KiB

Row statistics	
Format	dynamic
Collation	latin1_swedish_ci
Creation	Apr 03, 2018 at 08:51 PM
Last update	Apr 03, 2018 at 09:04 PM

Browse | Structure | SQL | Search | Insert | Export | Import | Operations

Showing rows 0 - 5 (6 total, Query took 0.0003 seconds.)

```
SELECT * FROM `MODEL`
```

Show all | Number of rows: 25 | Filter rows: Search this table

Sort by key: None

+ Options

	model_id	name	enginetype	fuel_consump	top_speed
Edit Copy Delete	500	URUS	V8 bi-turbo	12.3 l/100 km	305 km/h
Edit Copy Delete	550	Huracan Coupe	V10	14.5 l/100 km	>325 km/h
Edit Copy Delete	551	Huracan Spyder	V10	14.6 l/100 km	324 km/h
Edit Copy Delete	552	Huracan Performante	V10	14.6 l/100 km	324 km/h
Edit Copy Delete	702	Aventador S Coupe	V12	16.9 l/100 km	350 km/h
Edit Copy Delete	703	Aventador S Roadster	V12	16.9 l/100 km	350 km/h

Check all *With selected:* Edit Copy Delete Export

Dealership

Browse | Structure | SQL | Search | Insert | Export | Import | Operations | Triggers

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Extra	Action
1	dealership_id	int(100)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
2	name	varchar(100)	utf8_bin		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
3	website	varchar(100)	utf8_bin		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
4	location	varchar(100)	utf8_bin		No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values
5	year	year(4)			No	None		Change Drop Primary Unique Index Spatial Fulltext Distinct values

Check all *With selected:* Browse Change Drop Primary Unique Index

Print view | Propose table structure | Move columns | Improve table structure

Add 1 column(s) after year Go

+ Indexes

Information

Space usage		Row statistics	
Data	16 KiB	Format	dynamic
Index	0 B	Collation	utf8_bin
Total	16 KiB	Creation	Apr 04, 2018 at 02:26 AM
		Last update	Apr 04, 2018 at 02:26 AM

Browse | Structure | SQL | Search | Insert | Export | Import | Operations | Triggers

Showing rows 0 - 3 (4 total, Query took 0.0005 seconds.)

```
SELECT * FROM `DEALERSHIP`
```

Show all | Number of rows: 25 | Filter rows: Search this table

Sort by key: None

+ Options

	dealership_id	name	website	location	year
Edit Copy Delete	100	Lamborghini Milano	https://lamborghini-milano.com/it	Milano, Italy	1982
Edit Copy Delete	101	Lamborghini Miami	https://lamborghini-miami.com/en	North Miami Beach, Florida	1990
Edit Copy Delete	102	Lamborghini Las Vegas	http://www.lamborghini-lasvegas.com/	Las Vegas, Nevada	2005
Edit Copy Delete	104	Lamborghini Seoul	https://lamborghini-seoul.com/en	Seoul, South Korea	2007

Check all *With selected:* Edit Copy Delete Export

Show all | Number of rows: 25 | Filter rows: Search this table

Query results operations

Print view Export Display chart Create view

PART 2: QUERIES

Average Sales Price for All Vehicles

```
SELECT ROUND(AVG(sale_price),2) AS 'Average Sale Price' FROM CAR
```

1 ▼ | Show all | Number of rows: 25 ▼ Filter rows: Search this table

Sort by key: None ▼

+ Options

Average Sale Price
240264.46

Average Sales Price by Dealership

```
SELECT ROUND(AVG(CAR.sale_price),2) AS 'Average Sale Price', DEALERSHIP.location AS 'Dealership' FROM CAR INNER JOIN DEALERSHIP ON CAR.dealership_id = DEALERSHIP.dealership_id GROUP BY
DEALERSHIP.location ORDER BY AVG(CAR.sale_price)
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 ▼ Filter rows: Search this table

Sort by key: None ▼

+ Options

Average Sale Price	Dealership
204824.51	Milano, Italy
226782.13	Seoul, South Korea
255729.49	North Miami Beach, Florida
266855.91	Las Vegas, Nevada

Average difference in selling and asking price (sales price – ask price) by dealership

```
SELECT ROUND(AVG(CAR.sale_price - CAR.ask_price),2) AS 'Average Difference Prices (Sale-Ask)', DEALERSHIP.location AS 'Dealership' FROM CAR INNER JOIN DEALERSHIP ON CAR.dealership_id =
DEALERSHIP.dealership_id GROUP BY DEALERSHIP.location ORDER BY AVG(CAR.sale_price - CAR.ask_price)
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 ▼ Filter rows: Search this table

Sort by key: None ▼

+ Options

Average Difference Prices (Sale-Ask)	Dealership
-3554.96	Milano, Italy
-349.56	Seoul, South Korea
4220.95	North Miami Beach, Florida
5298.70	Las Vegas, Nevada

Show all | Number of rows: 25 ▼ Filter rows: Search this table

Average time on the market by dealership

```
SELECT ROUND(AVG(DATEDIFF(CAR.sale_date,CAR.list_date)),2) AS 'Average Time on Market (Days)', DEALERSHIP.location AS 'Dealership' FROM CAR INNER JOIN DEALERSHIP ON CAR.dealership_id =
DEALERSHIP.dealership_id GROUP BY DEALERSHIP.location ORDER BY AVG(DATEDIFF(CAR.sale_date,CAR.list_date))
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 Filter rows: Search this table

Sort by key: None

+ Options

Average Time on Market (Days)	Dealership
1.49	Las Vegas, Nevada
4.71	North Miami Beach, Florida
10.80	Seoul, South Korea
21.49	Milano, Italy

Total number of cars sold by model for each dealership

```
SELECT COUNT(CAR.vin) AS 'Number of Cars Sold', MODEL.name AS 'Model Name', DEALERSHIP.location AS 'Dealership' FROM CAR JOIN DEALERSHIP ON CAR.dealership_id = DEALERSHIP.dealership_id JOIN MODEL ON CAR.model_id = MODEL.model_id GROUP BY DEALERSHIP.location, MODEL.name ORDER BY DEALERSHIP.location, COUNT(CAR.vin)
```

Show all | Number of rows: 25 Filter rows: Search this table

+ Options

Number of Cars Sold	Model Name	Dealership
1	Huracan Spyder	Las Vegas, Nevada
4	Huracan Coupe	Las Vegas, Nevada
5	Huracan Performante	Las Vegas, Nevada
8	Aventador S Coupe	Las Vegas, Nevada
11	Aventador S Roadster	Las Vegas, Nevada
14	URUS	Las Vegas, Nevada
2	Huracan Coupe	Milano, Italy
5	Aventador S Coupe	Milano, Italy
6	Huracan Spyder	Milano, Italy
34	Huracan Performante	Milano, Italy
2	Huracan Coupe	North Miami Beach, Florida
29	Aventador S Roadster	North Miami Beach, Florida
32	Huracan Performante	North Miami Beach, Florida
33	Aventador S Coupe	North Miami Beach, Florida
52	Huracan Spyder	North Miami Beach, Florida
61	URUS	North Miami Beach, Florida
8	Huracan Spyder	Seoul, South Korea
9	Aventador S Coupe	Seoul, South Korea
15	Huracan Coupe	Seoul, South Korea
20	Aventador S Roadster	Seoul, South Korea
33	URUS	Seoul, South Korea
116	Huracan Performante	Seoul, South Korea

Show all | Number of rows: 25 Filter rows: Search this table

Own Query: Total number of cars sold by each salespeople by dealership

```
SELECT COUNT(CAR.vin) AS 'Number of Cars Sold', SALESPERSON.salesperson_id AS 'Salesperson ID', DEALERSHIP.location AS 'Dealership' FROM CAR JOIN DEALERSHIP ON CAR.dealership_id =
DEALERSHIP.dealership_id JOIN SALESPERSON ON CAR.salesperson_id = SALESPERSON.salesperson_id GROUP BY DEALERSHIP.location, SALESPERSON.salesperson_id ORDER BY DEALERSHIP.location,
COUNT(CAR.vin)
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

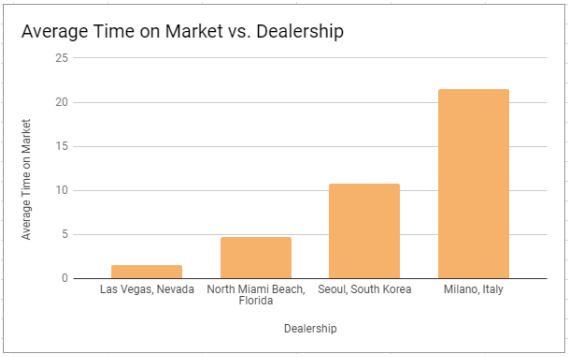
Show all | Number of rows: 25 Filter rows: Search this table

+ Options

Number of Cars Sold	Salesperson ID	Dealership
12	2	Las Vegas, Nevada
31	7	Las Vegas, Nevada
7	11	Milano, Italy
12	9	Milano, Italy
28	10	Milano, Italy
3	3	North Miami Beach, Florida
34	6	North Miami Beach, Florida
172	8	North Miami Beach, Florida
39	5	Seoul, South Korea
68	1	Seoul, South Korea
94	4	Seoul, South Korea

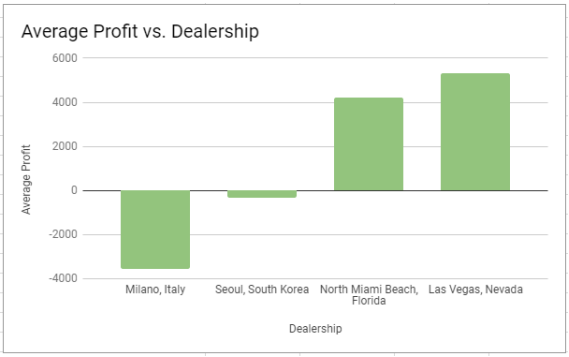
PART C: BUSINESS MEMO

The dealership that deserves expansion is definitively the Las Vegas branch. They consistently are the best at nearly everything. The have the best average market time sold, best average difference between sales price and asking price. It also has the highest average sales prices on cars out of all the other branches, which is 266855.91 versus second that is 255729.41, helping them make the highest average profit.



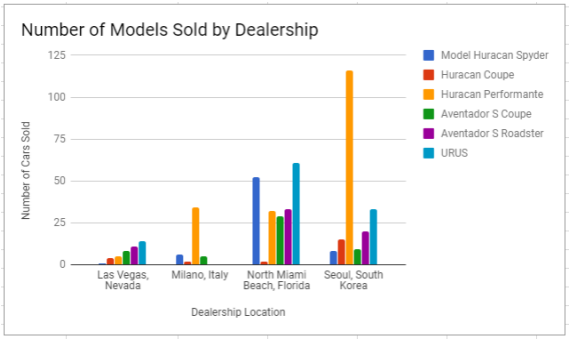
Average Time on Market

- *Las Vegas branch has the least amount of time per average on the market (1.49 days)* versus the next time that is North Miami Beach, Florida (4.71) which is a couple of days
- Las Vegas has the smallest time meaning that more cars can be sold faster maximizing profit
- Milano Italy takes by far more time than the other dealerships, taking 21.49 days.



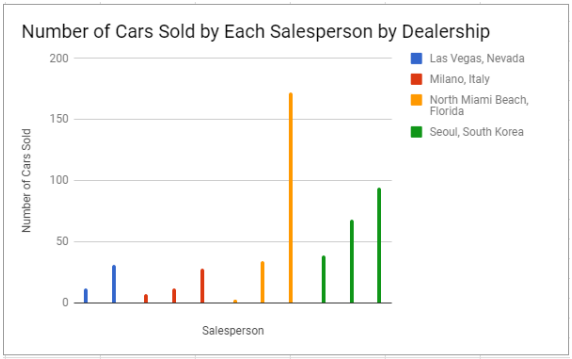
The Average Profit by Dealership

- Milano, Italy is losing a lot of profits and Seoul loses a little. However, Miami and Las Vegas are significantly making profit
- Las Vegas makes around 2000 dollars more in profits than Miami per average
- *Las Vegas has the highest Average Profit (Difference between Sales Price and Ask Price)*



The Number of Models Sold by Dealership

- The number of Models Sold by Dealership tells us that *Las Vegas has a steady and a much closer proportion of sales of all the different cars that are sold* Miami sold a lot of one type of car and
- The rest had ones that they sold a lot and a bunch they sold much less



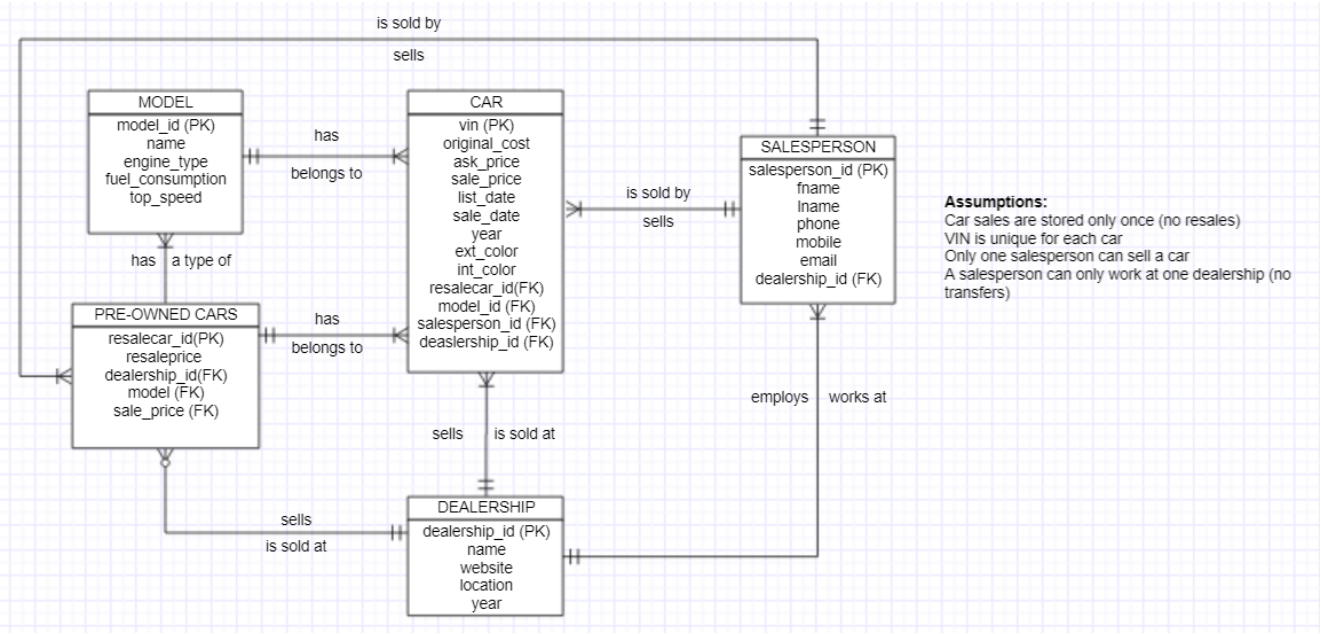
The Number of Cars Sold by Each Salesperson by Dealership

- *Las Vegas has the least amount of salespeople (2 people vs. 3) and has around the same number of cars sold than Italy (Italy total sold 47 and Las Vegas sold 43) however they made the highest average profit*
- Sold around the same number of cars as Italy but the sellout times were much faster
- *Needs more people in Las Vegas, can make it more efficient especially since the dealership is doing so well already*

Some additional data that would be good to have to make an informed decision would be to know how long a dealership has been around so that the newer branches could expand more, and how long a salesperson has been at the dealership to gauge the amount of experience that the salespeople have. It would also be good to have some information how much it would cost to expand per square mile for each area.

PART D: ADDITIONAL DATA CONSIDERATIONS

a.



b. Some additional analysis that we can do given this new information is:

- What is the difference between the original price and the sales price? This would be the true indicator of loss/gain that the dealership has.
- How different are the original prices to the ask price? This would be a big indication of potential profit that each dealership could be making or an indication of how well they are doing.
- How different are the sale prices to the re-sale prices? This would just be a good indicator for if the dealership is making profit selling the older cars.

c.
```
SELECT ROUND(AVG(CAR.original_price - CAR.sale_price))
FROM CAR
ORDER BY AVG(CAR.original_price - CAR.sale_price)
```