

# THE SQL MURDER MISTERY

- SQL CITY

Investigación  
resultados

15 de  
enero  
2018



-ou'll become me  
o learn. My jo  
-n-tation Rail



A cartoon illustration of a man with a mustache, wearing glasses, a brown fedora, and a tan trench coat over a white shirt. He is carrying a black briefcase in his left hand and has his right hand in his pocket. The background is plain white.

~~Jesús González~~



# Iridiana Espinosa



# Victor Caballero

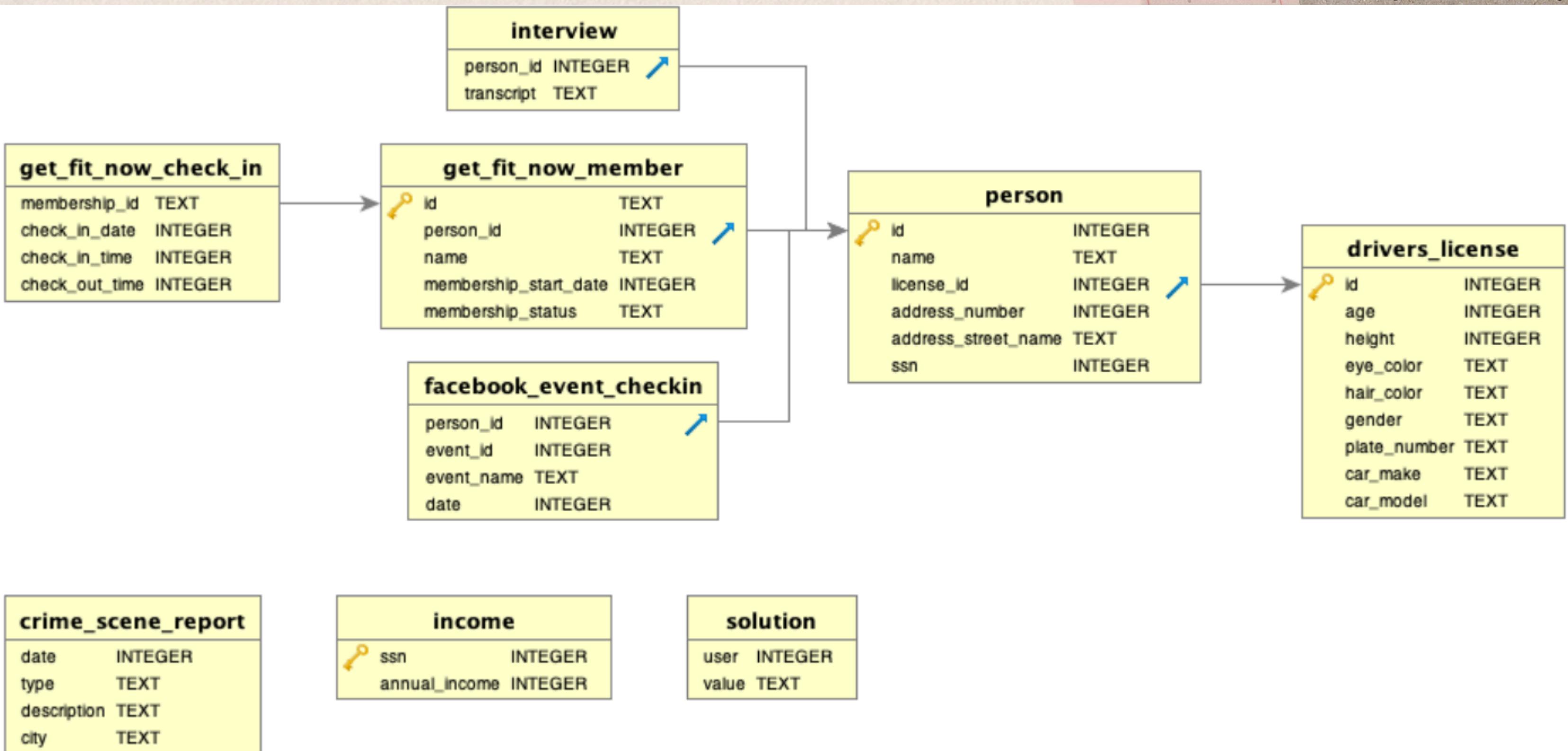


Gustavo  
Casarrubios

Nuest

Versicherung

# MODELO DE DATOS COMISARÍA



# IMPORTACIÓN DE DATOS

```
import sqlite3
import pandas as pd

connection = sqlite3.connect("./data/sql-murder-mystery.db")
connection_cursor = connection.cursor()
```

```
def sql_query(query):
    #ejecutamos query
    connection_cursor.execute(query)
    pok = connection_cursor.fetchall()
    nombres = [columnas[0] for columnas in connection_cursor.description]
    return pd.DataFrame(pok, columns=nombres)
```



Primeros resultados

	query = ''	SELECT * FROM sqlite_master	...	
0		sql_query(query)		
0	type	name	tbl_name	rootpage
0	table	crime_scene_report	crime_scene_report	2
1	table	drivers_license	drivers_license	3
2	table	person	person	4
3	table	facebook_event_checkin	facebook_event_checkin	5
4	table	interview	interview	6
5	table	get_fit_now_member	get_fit_now_member	7
6	index	sqlite_autoindex_get_fit_now_member_1	get_fit_now_member	8
7	table	get_fit_now_check_in	get_fit_now_check_in	9
8	table	income	income	10
9	table	solution	solution	11



Security footage shows  
that there were 2  
witnesses:

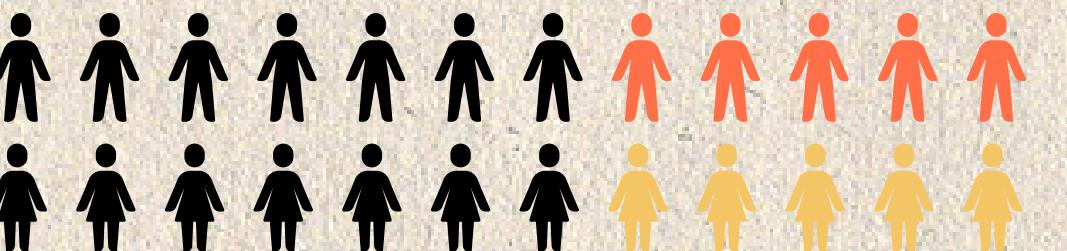
The first witness lives at  
the last house on  
"Northwestern Dr".

The second witness,  
named Annabel, lives  
somewhere on "Franklin  
Ave".

```
query = ''  
SELECT description  
FROM crime_scene_report  
WHERE date = 20180115 AND  
type = "murder" AND  
city = "SQL City"  
'''  
sql_query(query)
```

```
#the first Witness lives at the last house on "northwerstern Dr"  
#the second witness, named Anabel, lives somewhere on frankin AVE
```

✓ 0.0s



## The two witnesses

```
query3 = '''
SELECT ID, name, address_street_name, address_number
FROM Person
WHERE address_street_name = "Franklin Ave" AND
name like "%Annabel%"
UNION
SELECT ID, name, address_street_name, MAX(address_number) as address_number
FROM Person
WHERE address_street_name = "Northwestern Dr"
...
sql_query(query3)
```

✓ 0.0s

	<b>id</b>	<b>name</b>	<b>address_street_name</b>	<b>address_number</b>
0	14887	Morty Schapiro	Northwestern Dr	4919
1	16371	Annabel Miller	Franklin Ave	103

Annabel  
Miller

I saw the murder  
happen, and I  
recognized the killer  
from my gym when I  
was  
working out last  
week on January the  
9th.

# Transcripts

Seleccionamos los Id de los testigos ID1 = 14887 Id2 = 16371

```
query1 = ...
SELECT *
FROM interview
WHERE person_id IN (14887,16371)
...
sql_query(query1)
```

✓ 0.0s

Morty  
Schapiro

I heard a gunshot and then  
saw a man run out. He had  
a "Get Fit Now Gym"  
bag. The membership  
number on the bag started  
with "48Z". Only gold  
members have those bags.  
The man got into a car  
with a plate that included  
"H42W".

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• e. 38 1

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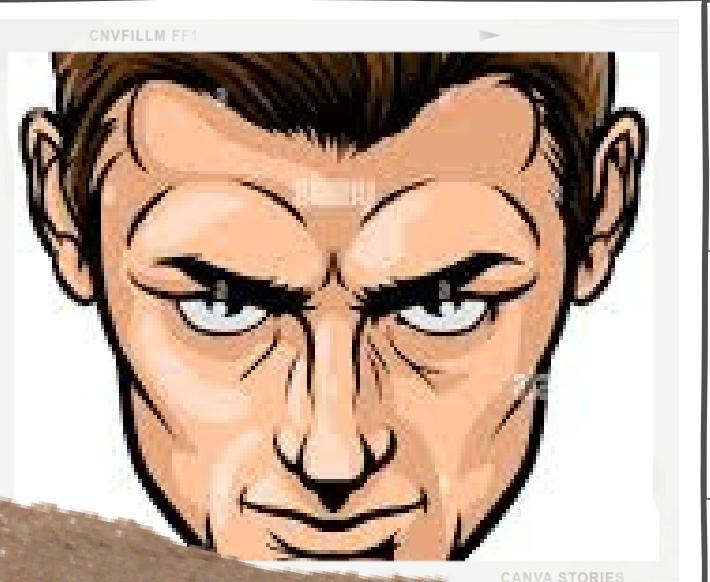


# THE D DAY

```
query1 = ''  
SELECT C.name, D.plate_number, A.membership_status, A.id, B.Check_in_date  
FROM get_fit_now_member A  
INNER JOIN get_fit_now_check_in B on A.ID = B.membership_id  
INNER JOIN person C ON C.id = A.person_id  
INNER JOIN drivers_license D on D.Id = C.license_Id  
WHERE B.check_in_date = "20180109"  
AND A.membership_status = 'gold'  
AND A.Id like "48Z%"  
AND D.gender = "male"  
AND D.plate_number like "%H42W%"  
  
...  
sql_query(query1)
```

✓ 0.0s

	name	plate_number	membership_status	id	check_in_date
0	Jeremy Bowers	0H42W2	gold	48Z55	20180109



CANVA STORIES

Jeremy  
Bowers -  
The Killer

# ¡GRACIAS POR TU ATENCIÓN!

