

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 detective character. He has a large, round head, wears glasses, and has a prominent mustache. He is dressed in a tan trench coat over a white shirt and a brown fedora hat. He is holding a magnifying glass up to his eye, looking intently at something off-camera. The background is plain white.

~~Jesús González~~

Bergbau 1938

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Mühl.	37			103	50	b	104,-
				105,87	G	105,25	
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Dear, even though I know that I have to take, I know that I have to venture



Iridiana Espinosa



Victor



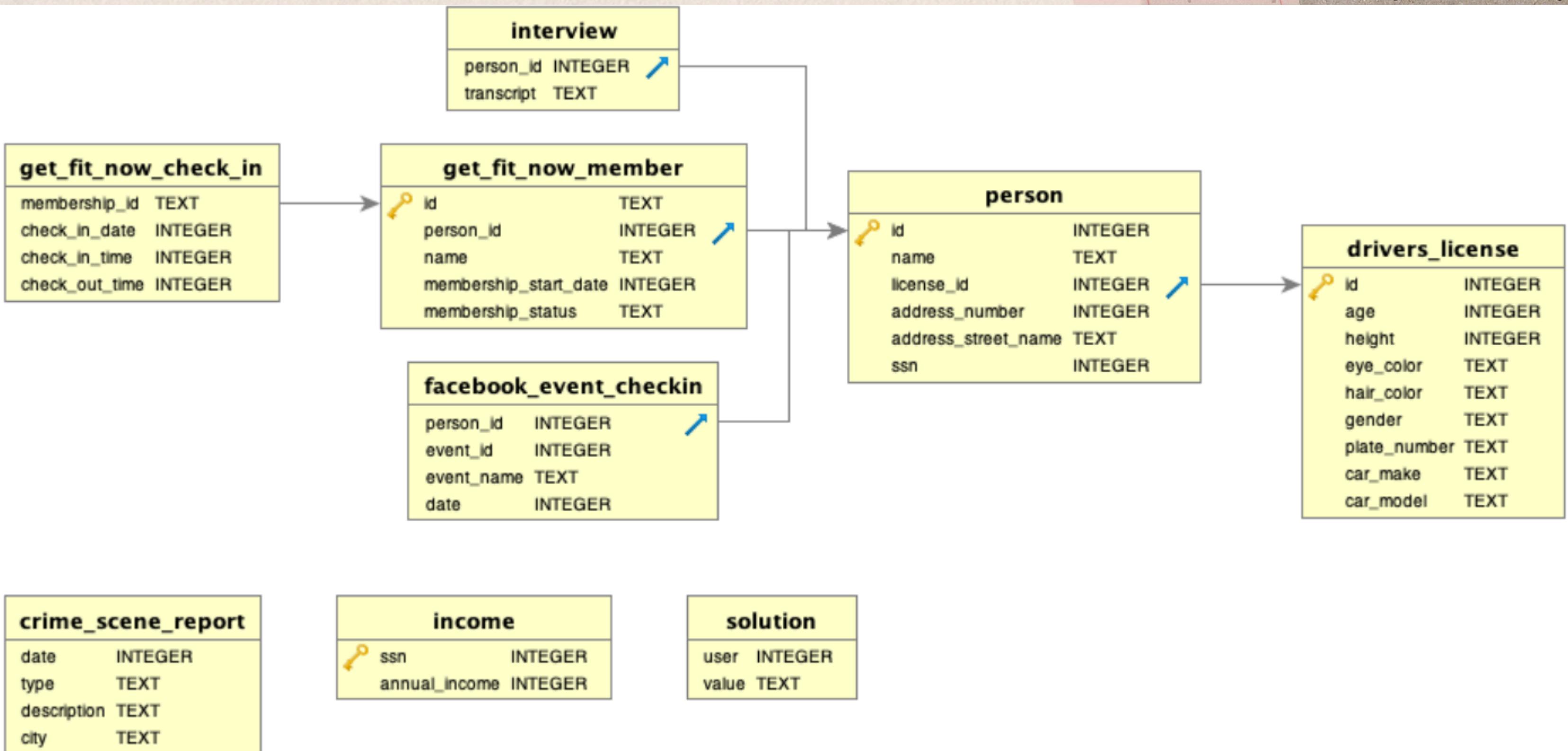
Gustavo
Casarrubios

Nuestro

Versicherung

Dewey Ind 71 -
Olivia

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:

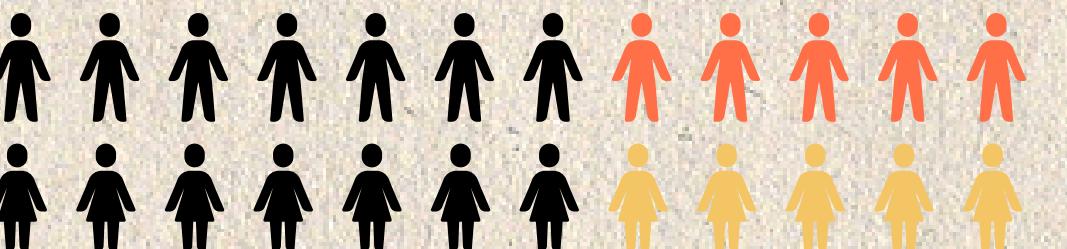
The first witness lives at
the last house on
"Northwestern Dr".

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

	id	name	address_street_name	address_number
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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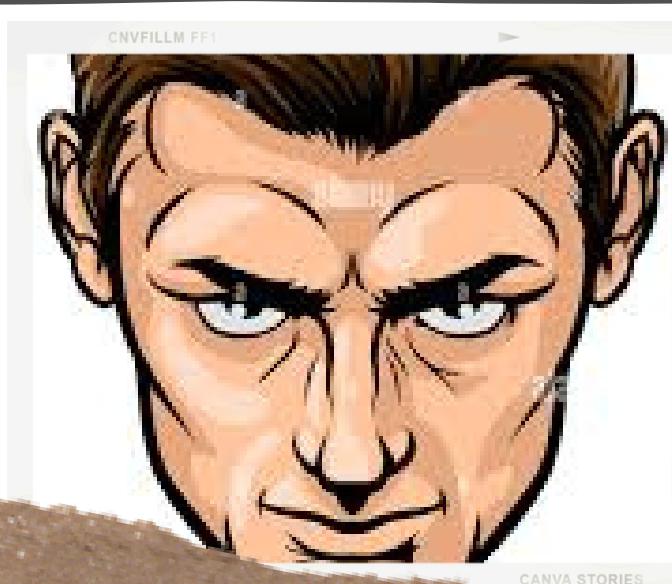
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THE D DAY

```
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



Jeremy
Bowers -
The Killer

¡GRACIAS POR TU ATENCIÓN!

