


VOLUSIA SALES ANALYSIS

— RECENT CRIMES —

Diogo Nazario Cobos

CS540 Database & Data Retrieval
Embry-Riddle Aeronautical University
Spring 2021

FIRST STEPS

- 1 Access Github repository at:
https://github.com/cobosd/diogo_volusia_sales_analysis
- 2 Download Zip file “VolusiaProject.zip”
- 3 Extract files into a separate folder 
- 4 Open folder for more information

DESCRIPTION

1

Inside the parent folder there are two distinct folders

- “add_new_sales_analysis” is the main folder for this project. It will allow you to directly add a new “sales analysis – crime” table to your pgAdmin
- “create_crime_table [optional]” contains extra steps and files to generate the original crime data table which was used to create the “sales analysis – crime” table

2

This presentation will focus on the main folder “add_new_sales_analysis”

- If you would like to have your own crime table, please read the file “create_crime_table_steps” in the optional folder

ADD TABLE

- 1 Within “add_new_sales_analysis” folder there are two files
 - README file contain the only instruction to add the table to your pgAdmin and also some information about the attributes which were added
 - “crime_sales_analysis” is the .sql file which will be run. You can open it with Notepad if you would like to see line by line how the table is created

- 2 Open your Command Prompt

- 3 Go to the directory where the file “crime_sales_analysis.sql” was saved

- 4 Run the following (make sure the path to psql.exe is correct):

```
"c:\Program Files\PostgreSQL\13\bin\psql.exe" -U postgres -d spatial -f crime_sales_analysis.sql
```

PGADMIN

- 1 Open and connect to your Postgres database through pgAdmin
- 2 The new table “crime_sales_analysis” should be found under the Volusia schema

Query Editor

Query History

```
1 SELECT * FROM volusia.crime_sales_analysis
2 LIMIT 100
3
```

Data Output

Explain

Messages

Notifications

| | <div>parid</div> <div>double precision</div> | <div>luc</div> <div>text</div> | <div>luc_desc</div> <div>text</div> | <div>aprlnd</div> <div>double precision</div> | <div>aprbldg</div> <div>double precision</div> | <div>aprtot</div> <div>double precision</div> |
|---|--|--------------------------------|-------------------------------------|---|--|---|
| 1 | 2834099 | 0100 | Single Family | 24128 | 147577 | |
| 2 | 7775336 | 0100 | Single Family | 33000 | 199819 | |
| 3 | 8007197 | 0100 | Single Family | 6816 | 290457 | |
| 4 | 8007198 | 0100 | Single Family | 6816 | 296246 | |
| 5 | 8007199 | 0000 | Vacant Resid... | 6816 | 0 | |
| 6 | 8007200 | 0100 | Single Family | 6816 | 288731 | |
| 7 | 8007201 | 0100 | Single Family | 6816 | 289013 | |
| 8 | 8007202 | 0100 | Single Family | 6816 | 296246 | |
| 9 | 8007203 | 0100 | Single Family | 6816 | 289013 | |

| crime_desc text | crime_add text | crime_dist double precision | crime_date date |
|--------------------|-------------------|--------------------------------|--------------------|
| LARCENY (UCR ... | 500 PINEVIEW ... | 3.827882477345615 | 2021-02-01 |
| FRAUD ... | 300 DESTINAT... | 0.915924148622897 | 2021-02-01 |
| DOMESTIC DIST... | 100 CARNIVAL... | 1.0097445563584377 | 2020-12-03 |
| DOMESTIC DIST... | 100 CARNIVAL... | 1.020137632687681 | 2020-12-03 |
| DOMESTIC DIST... | 100 CARNIVAL... | 1.0305509378444162 | 2020-12-03 |
| DOMESTIC DIST... | 100 CARNIVAL... | 1.040984383734351 | 2020-12-03 |
| DOMESTIC DIST... | 100 CARNIVAL... | 1.0514370092225527 | 2020-12-03 |
| DOMESTIC DIST... | 100 CARNIVAL... | 1.0619082996908118 | 2020-12-03 |
| DOMESTIC DIST... | 100 CARNIVAL... | 1.072397810352475 | 2020-12-03 |
| DOMESTIC DIST... | 100 CARNIVAL... | 1.1088145324732976 | 2020-12-03 |
| LARCENY (UCR ... | 200 N HALIFA... | 0.01262476796565457 | 2021-01-25 |