BIGDATA INTEGRATION TOOL

HANDLING VARIOUS TYPE OF DATA IN A ONE TOOL

Jeon Dabin

Integration Tool



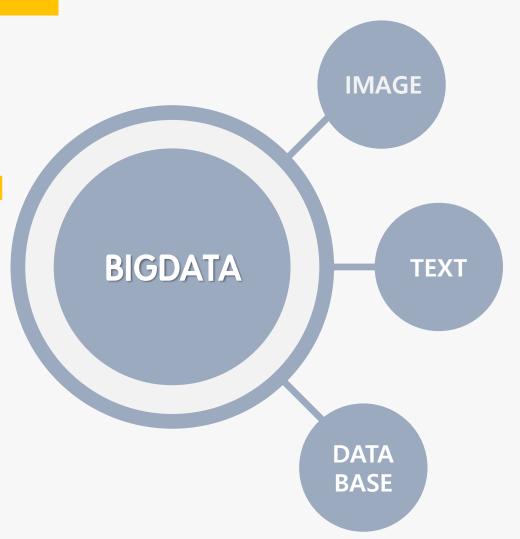
Image Reference: https://thecustomizewindows.com/2017/05/integration-big-data-tools-wordpress/

What is Bigdata Integration Tool?

Different types of files are used in a single tool

Interconnectivity between files

No need to use various programs

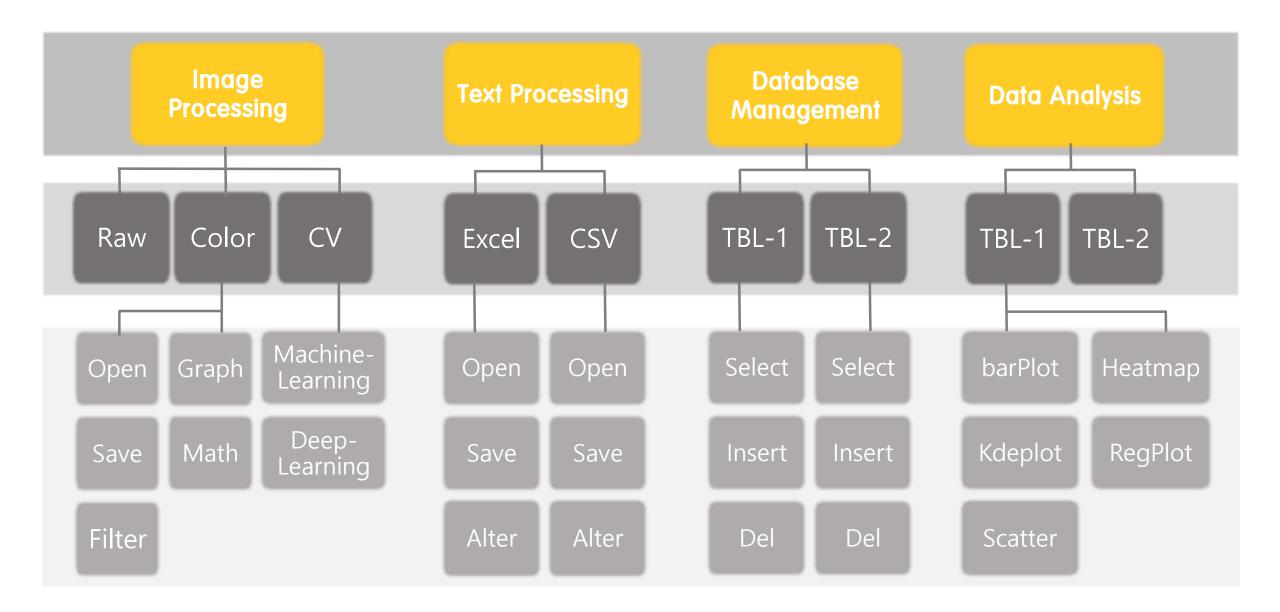


"
Handling data at once
Use Database easily

Useful Point

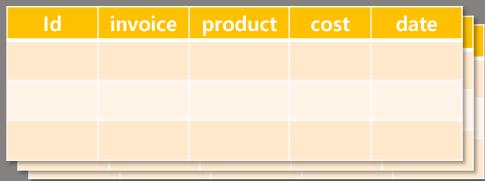
- Compatibility
- Portability
- Time-saving
- No need to use various programs.
- It's easy to add other features.
- Detailed adjustment is possible.
- Connects to other DB with ID, password and IP address.

Menu Configuration



CompnayDB

Monthly SalesTBL



Monthly SuppliesTBL

supplier	invoice	product	cost	date
-				

CustomerTBL

Id	name	age	gender	nation

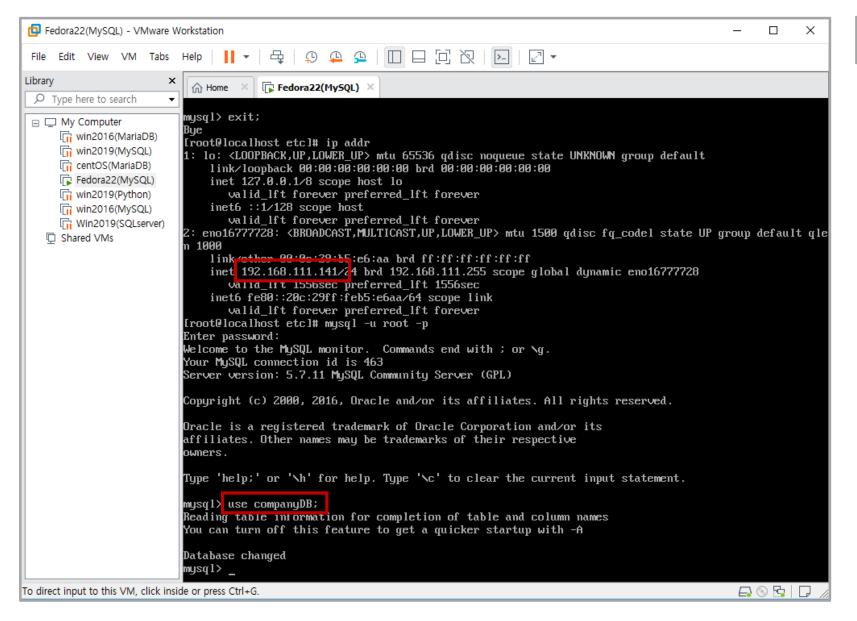
SupplierTBL

Supplier	ceo	classify	start_date	location

ProductTBL

product	number	classify	import	location

"Fedora22 (Installed MySQL) "

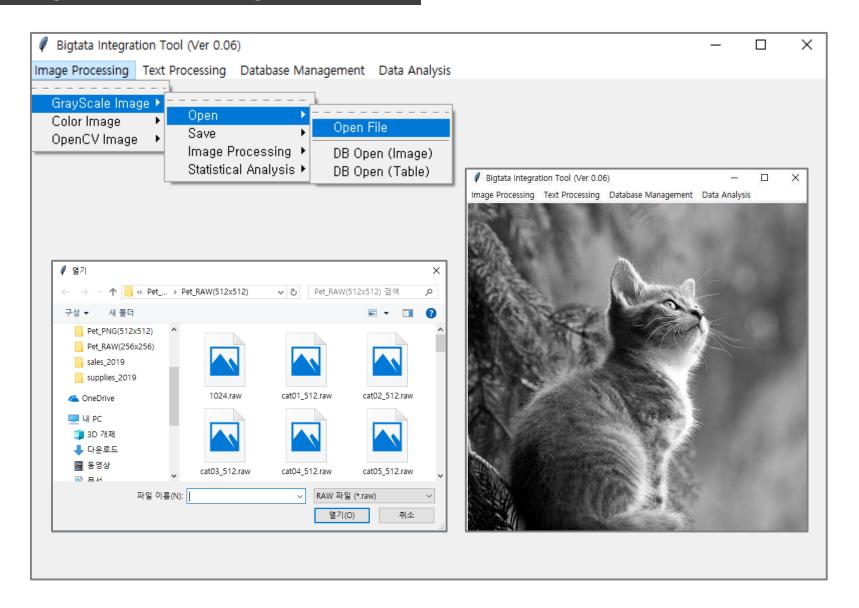


- DATASET-

	Α	В	С
1	id	invoice_nu	product_n
2	Dabin	100-1001	3672
3	Bloomberg	100-1002	7759
4	Bloomberg	100-1002	4859
5	MySQL	100-1003	5358
6	Stella	100-1004	251
7	Teemo	100-1005	2864
8	SQL_Serve	100-1006	2120
9	Bloomber	100-1007	2737
10	Bloomber	100-1007	8143
11	Bloomber	100-1007	6319
12	SQL_Serve	100-1008	9654
13	Dabin	100-1009	8008
14	MySQL	100-1010	3993
15	PostgreSQ	100-1011	5884
16	Bloomber	100-1012	1636
17	Bloomber	100-1012	2594
18	RedLover	100-1013	3381
19	Power	100-1014	1612
20	Stella	100-1014	1460
21	MySQL	100-1014	9814
22	PostgreSQ	100-1015	1609

RUN "Bigdata Intrgration Tool"

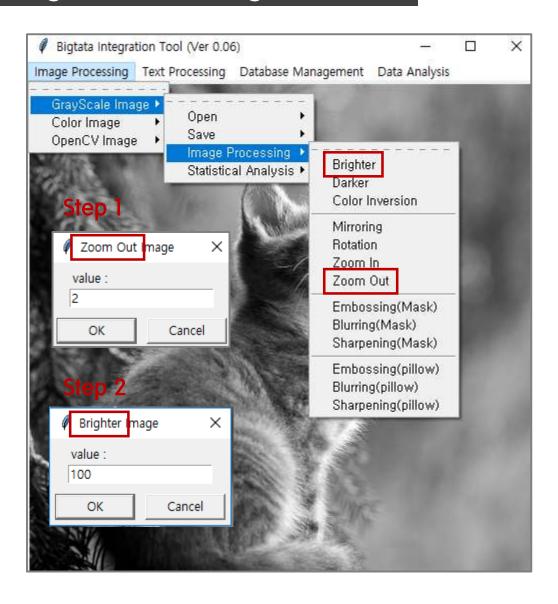
Image Processing (Raw)



< Image Load Process >



Image Processing (Raw)





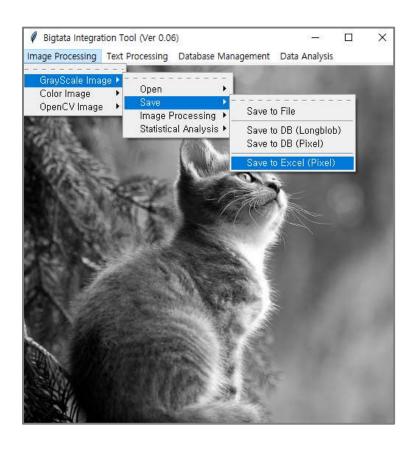
Without Package >

Duplicate multiple effects

Detailed adjustment

- Zoom out value
- Brighter value, ect

Image Processing (Raw)



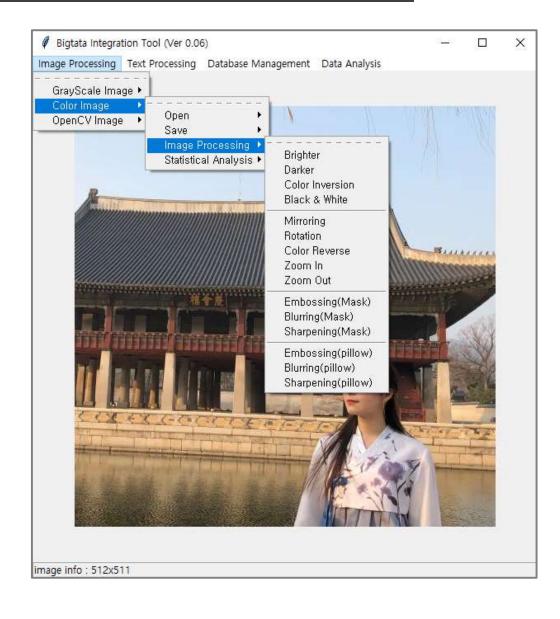


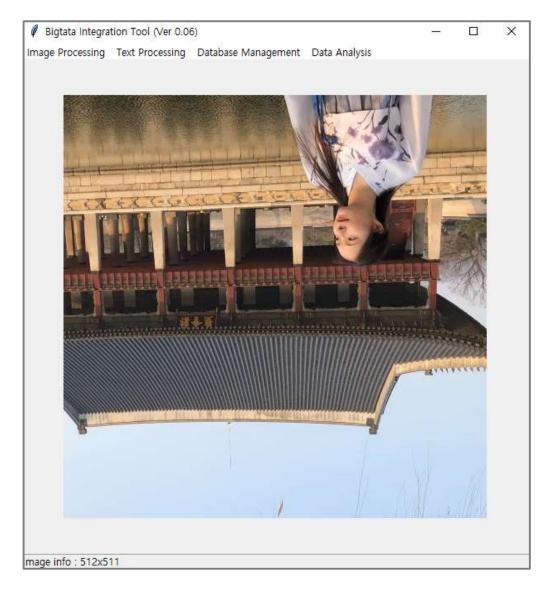
< Save to Excel >

Interworking between Image file and Excel file

Principle:

To add a color by specifying value between 0 and 225 for each pixel in an Excel





Original Image



Color Reverse



Black & White



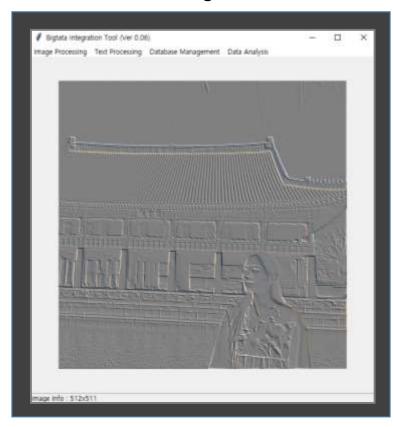
Can apply various Effect

The effects continue to be added

Original Image



Embossing (Pillow)



Embossing (Mask)



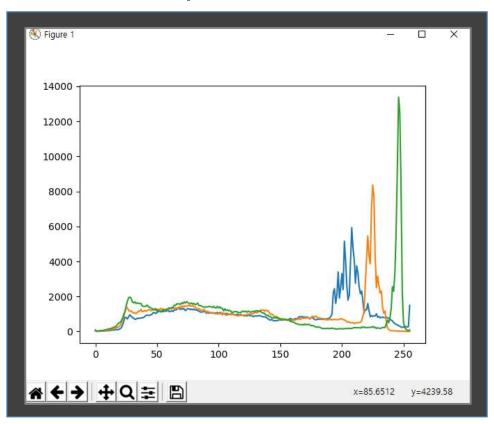
Same Effect , Difference Output

a wide range option of choice

Original Image



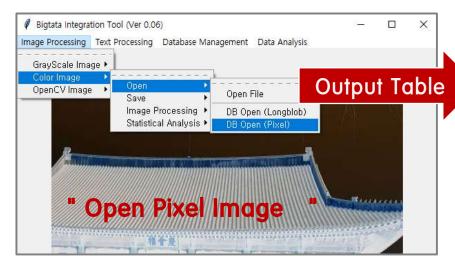
Proportion of RGB

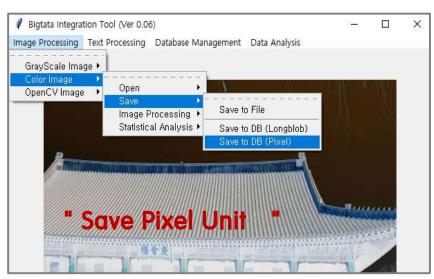


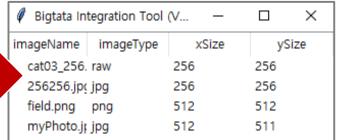
Use: Matplotlib

See the color variation

The color that is mostly used in this picture is green









ColorImageTBL >

Id : auto_increment

imageName
imageType

xSize: width

ySlze: height

X : x-coordinate

Y: y-coordinate

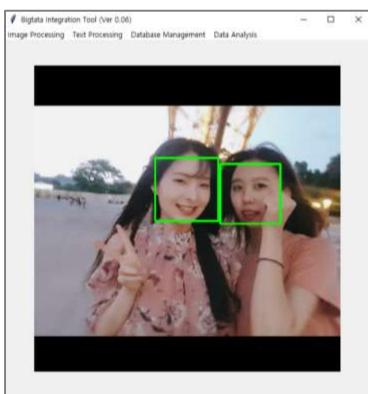
R: red color value

G: green color

B: blue color value

"Application of Machine-Learning "



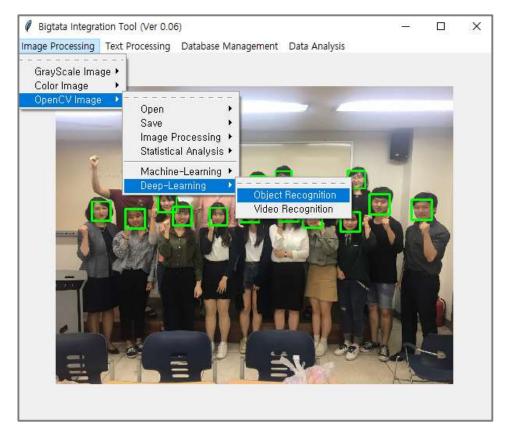


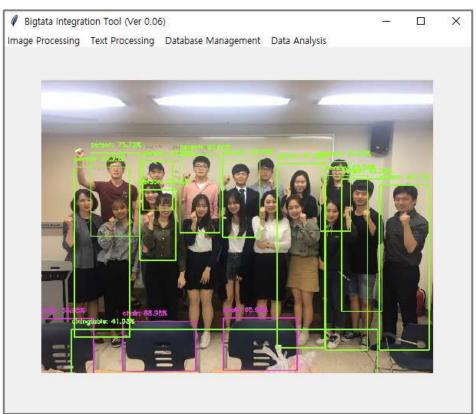


Step1: face recognition

Step2: Stickers can be attached to the face at the desired position

"Application of Deep-Learning"

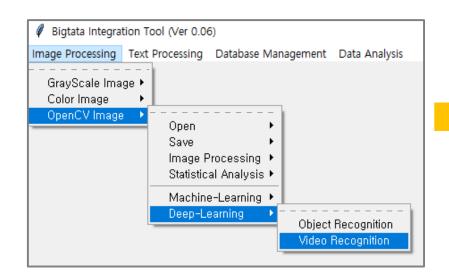




Step1: Identification Object (such as chair, person)

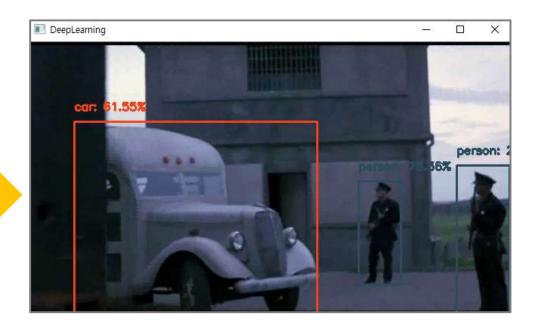
Step2: Displays the probability that an image is an object

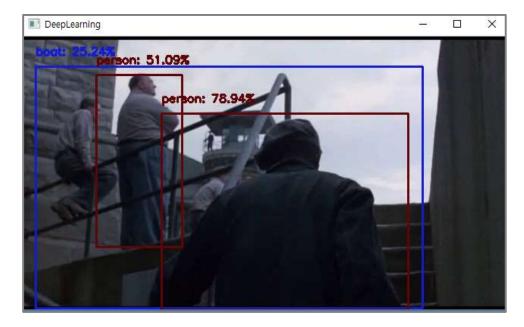
"Application of Deep-Learning"



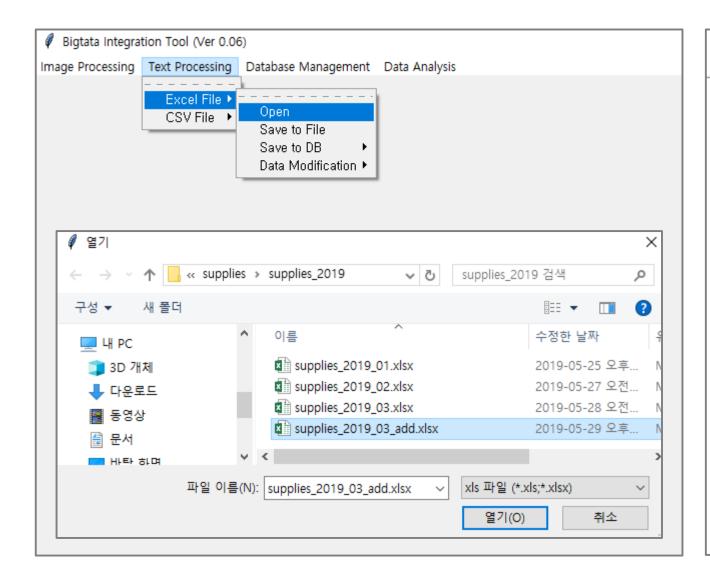
Step1: Recognition of a scene in a video Step2: Recognize objects in a single scene

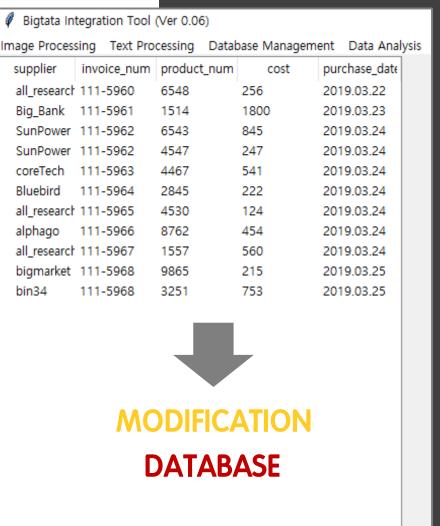
You can check how many times a particular object or person appears in the video



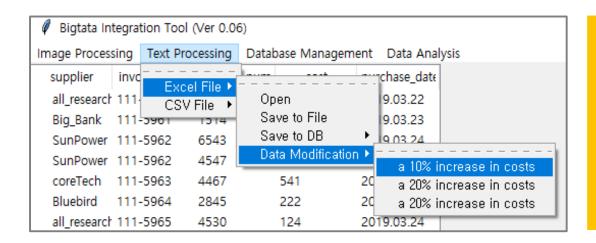


Text Processing (Excel)

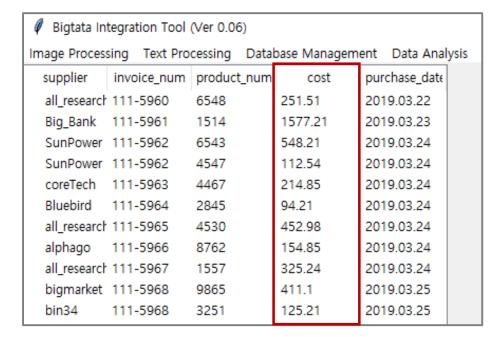


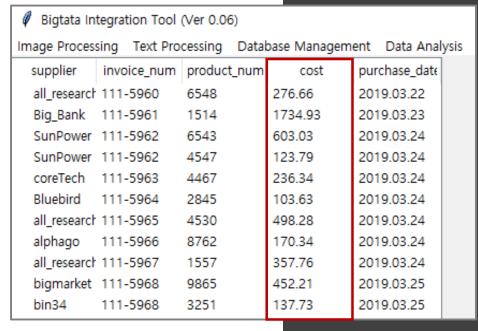


Text Processing (Excel)

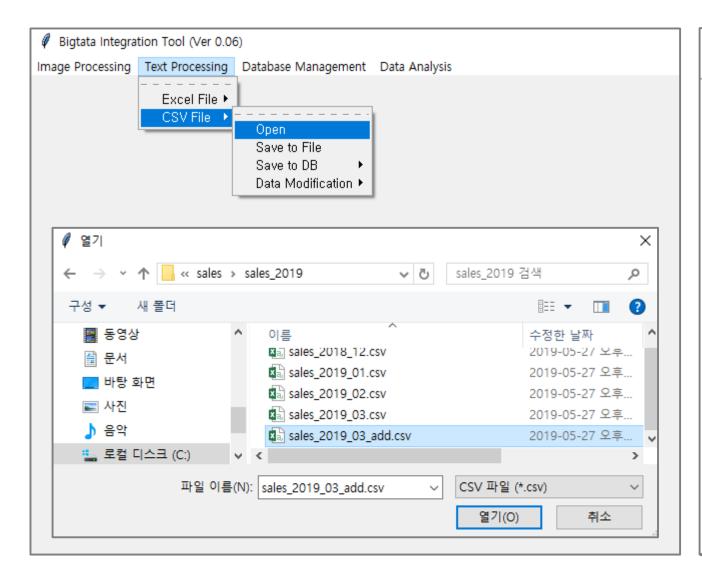


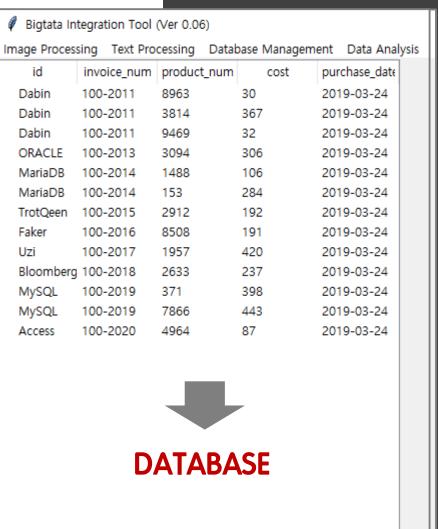
Modify Excel file directly



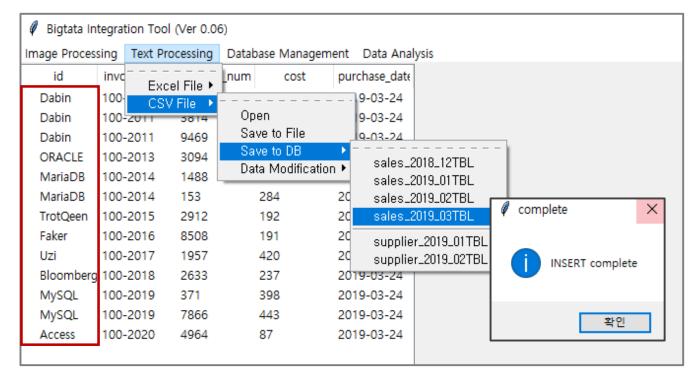


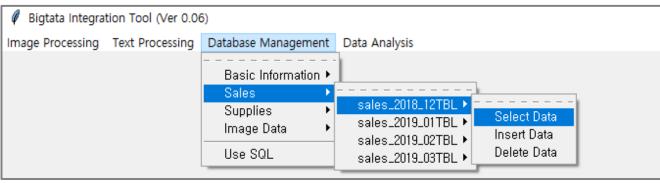
Text Processing (CSV)

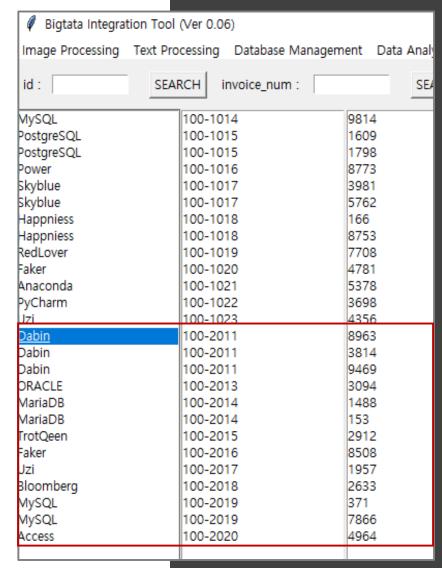




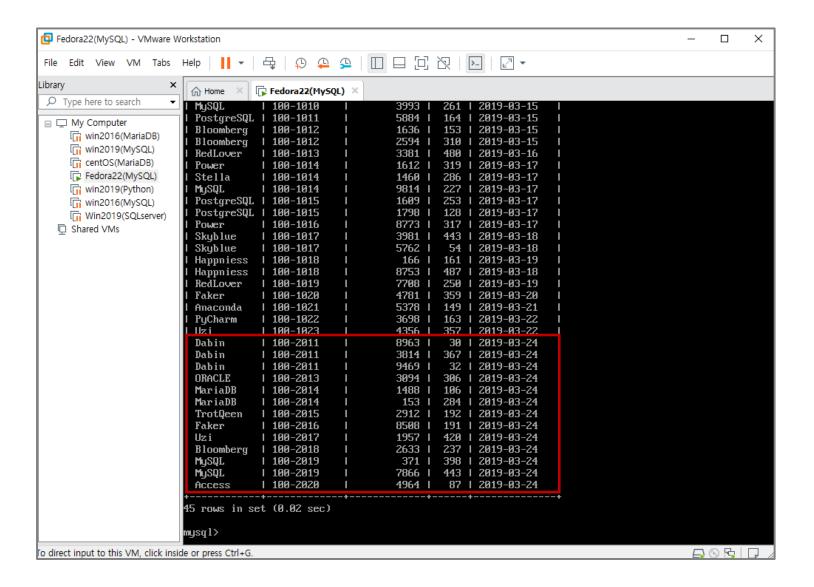
Text Processing (CSV)



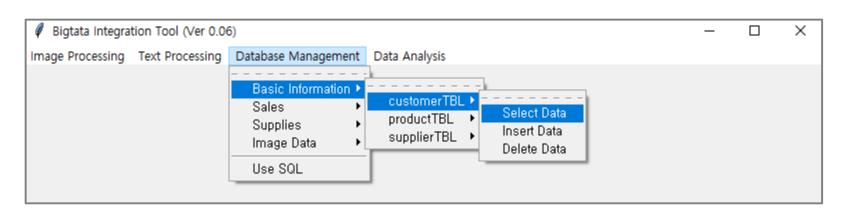


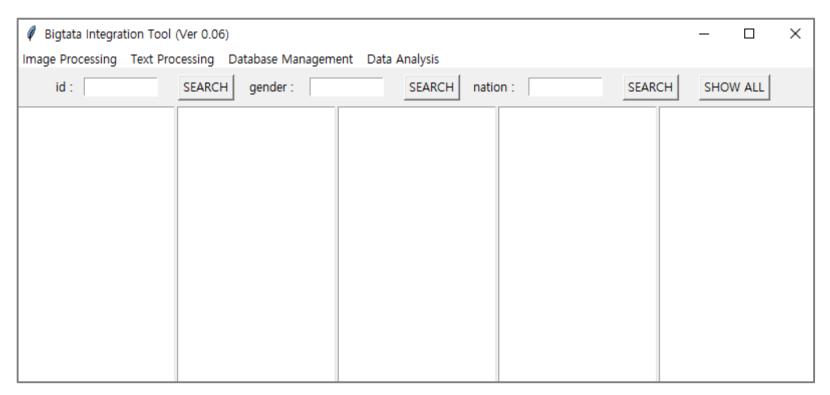


Text Processing (CSV)



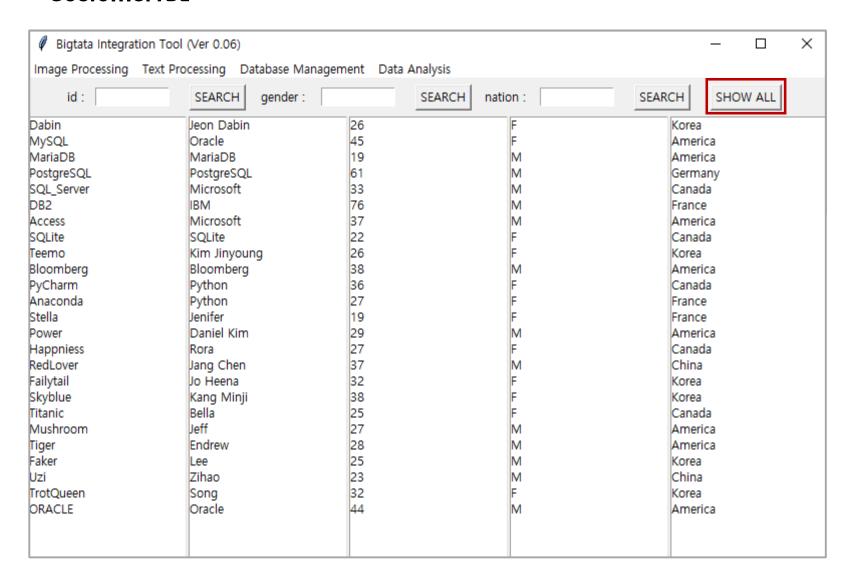
Direct Check at Fedora select * from sales_2019_03TBL;





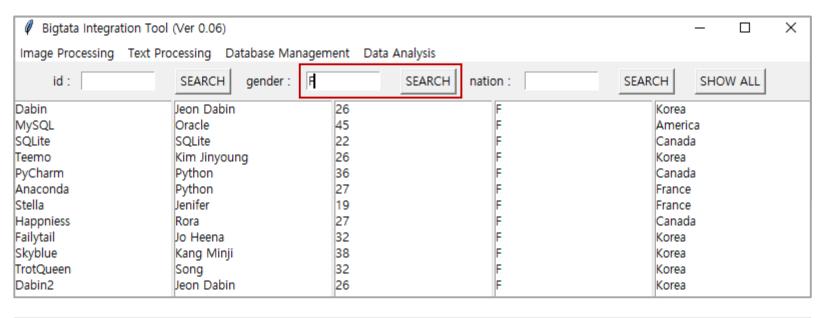
Sales_2019_03TBL

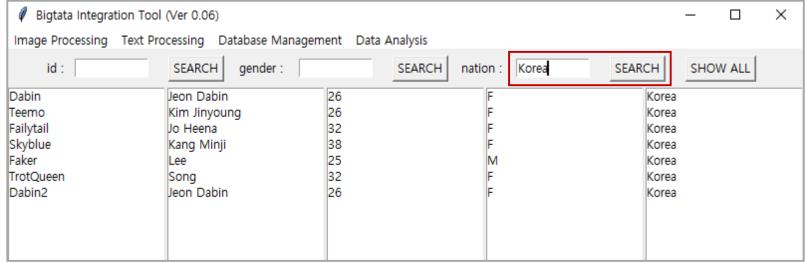
	Α	В	С	
1	id ,	invoice_nu	product_n	,
2	Dabin	100-1001	3672	
3	Bloomber	100-1002	7759	
4	Bloomber	100-1002	4859	
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20	Stella	100-1014	1460	
21	MySQL	100-1014	9814	
22	PostgreSQ	100-1015	1609	



Fedora (MySQL)

id	l	name	I	age
Dabin	Ī	Jeon Dabin	I	26
MySQL	I	Oracle	ı	45
MariaDB	ı	MariaDB	ı	19
PostgreSQL	I	PostgreSQL	ı	61
SQL_Server	ı	Microsoft	ı	33
DB2	ı	IBM	ı	76
Access	I	Microsoft	ı	37
SQLite	ı	SQLite	ı	22
Teemo	ı	Kim Jinyoung	ı	26
Bloomberg	ı	Bloomberg	ı	38
PyCharm	ı	Python	ı	36
Anaconda	ı	Python	ı	27
Stella	ı	Jenifer	ı	19
Power	ı	Daniel Kim	ı	29
Happniess	ı	Rora	ı	27
RedLover	ı	Jang Chen	ı	37
Failytail	I	Jo Heena	ı	32
Skyblue	ı	Kang Minji	ı	38
Titanic	I	Bella	I	25
Mushroom	ı	Jeff	ı	27
Tiger	I	Endrew	I	28
Faker	ı	Lee	ı	25
Uzi	I	Zihao	I	23
TrotQueen	ı	Song	ı	32
ORACLE	I	Oracle	I	44
DabinZ	I	Jeon Dabin	ı	26



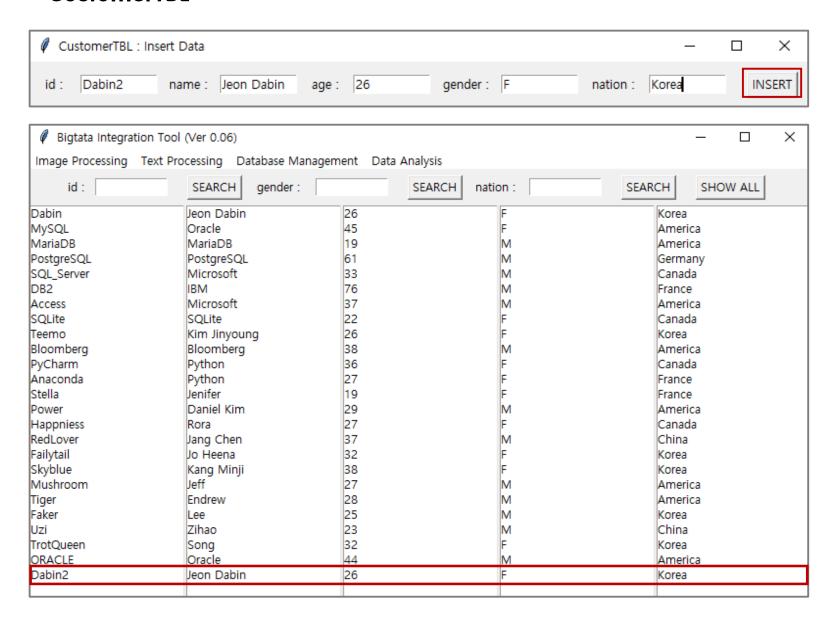


Perform SELECT command easily

SQL command

SELECT * FROM customerTBL WHERE gender = "F";

View the data that you searched legibly



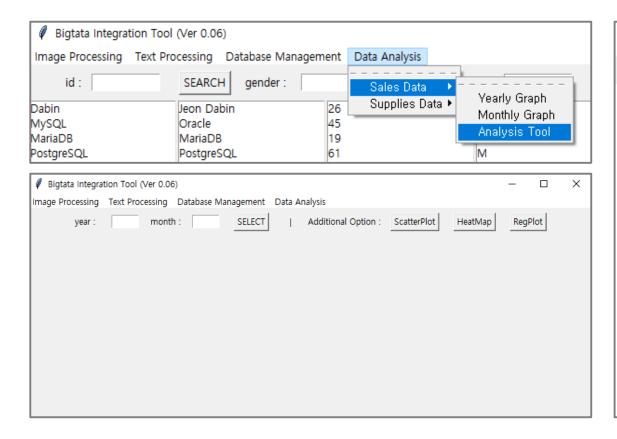


Perform INSERT ,DELETE command easily

SQL command

INSERT INTO customerTBL VALUES ("Dabin2", "Jeon Dabin", 26, "F", "Korea");

Data Analysis (DB table)

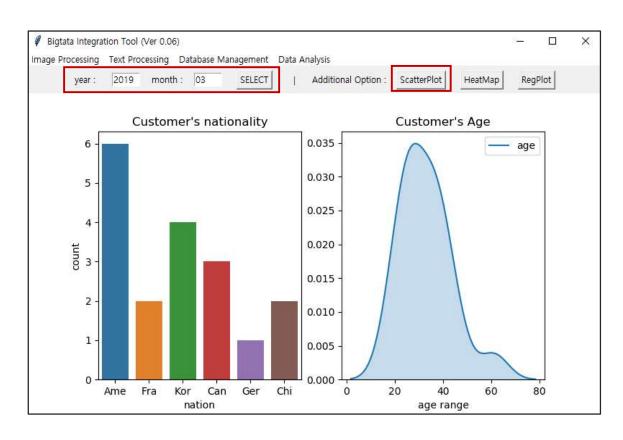


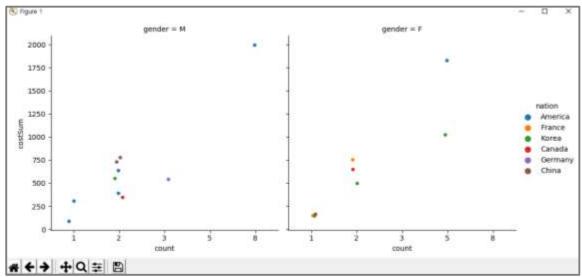


"The tool for analyzing data in the database"

We can check the results of the statistical analysis through various graphs.

Data Analysis (DB table)

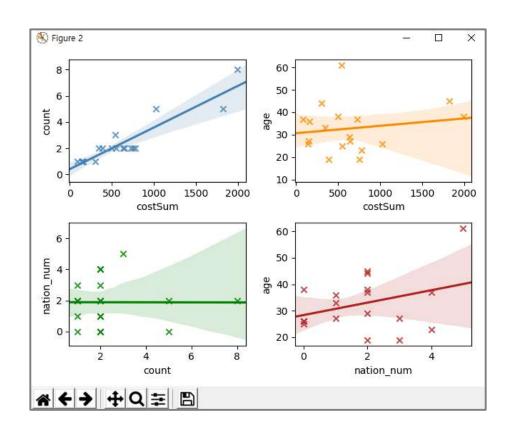


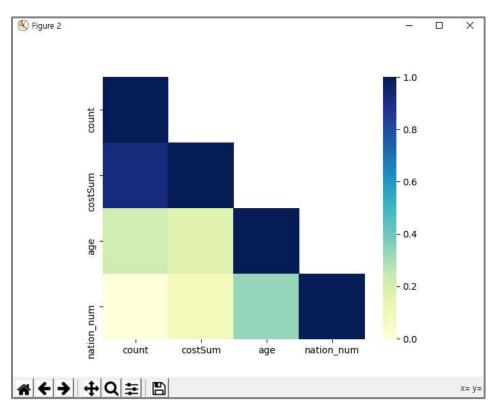


"Choose year and month that you to analysis "

In this window, you can see the count graph about nationality and age

Data Analysis (DB table)





" Detailed graph about year and month that you choose "

graphs that show the link between elements

INTEGRATION TOOL (Big Data)

