USER MANUAL

FOR

DATA ANALYSIS

By

Group

S17g304

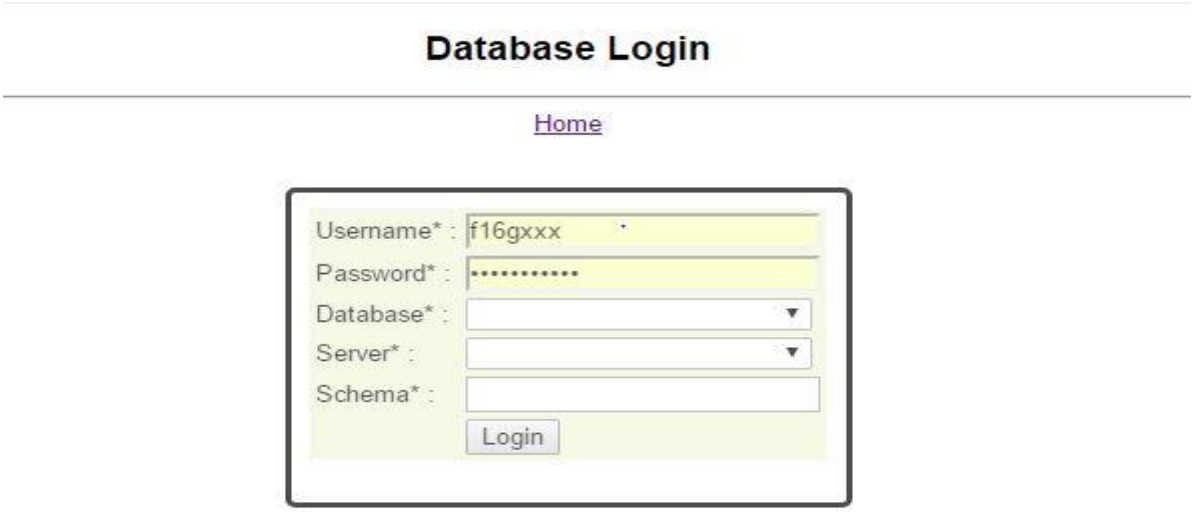
Contents

User Guide

for application created by s17g304

Login Page

When the application is run by the client the first page that is rendered is the login page.

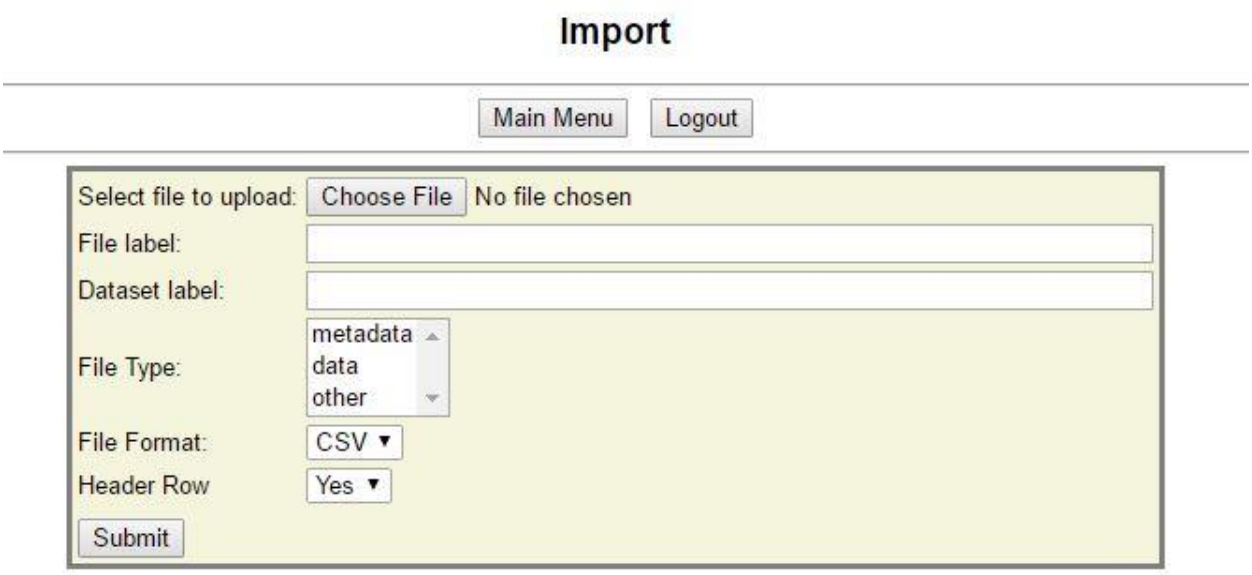


The user has to entered the required credentials to gain access to the application functionalities.

Main Menu

From these the user may depending on requirements may choose any of the above options. However, if the user is running this for the first time the database will be empty and he won't be able to perform some critical functionalities. Therefore, it is a suggestion to first upload data onto database.

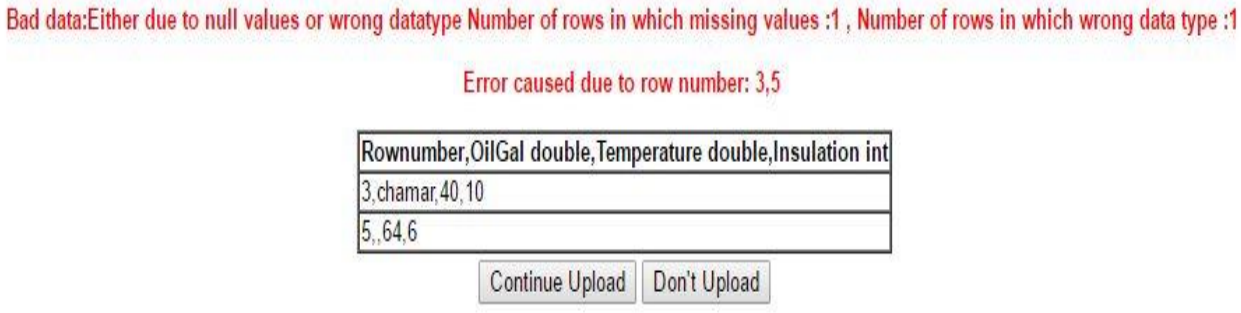
DATA IMPORT



The user can enter a file (CSV,TEXT).There is a procedure which should be followed which is

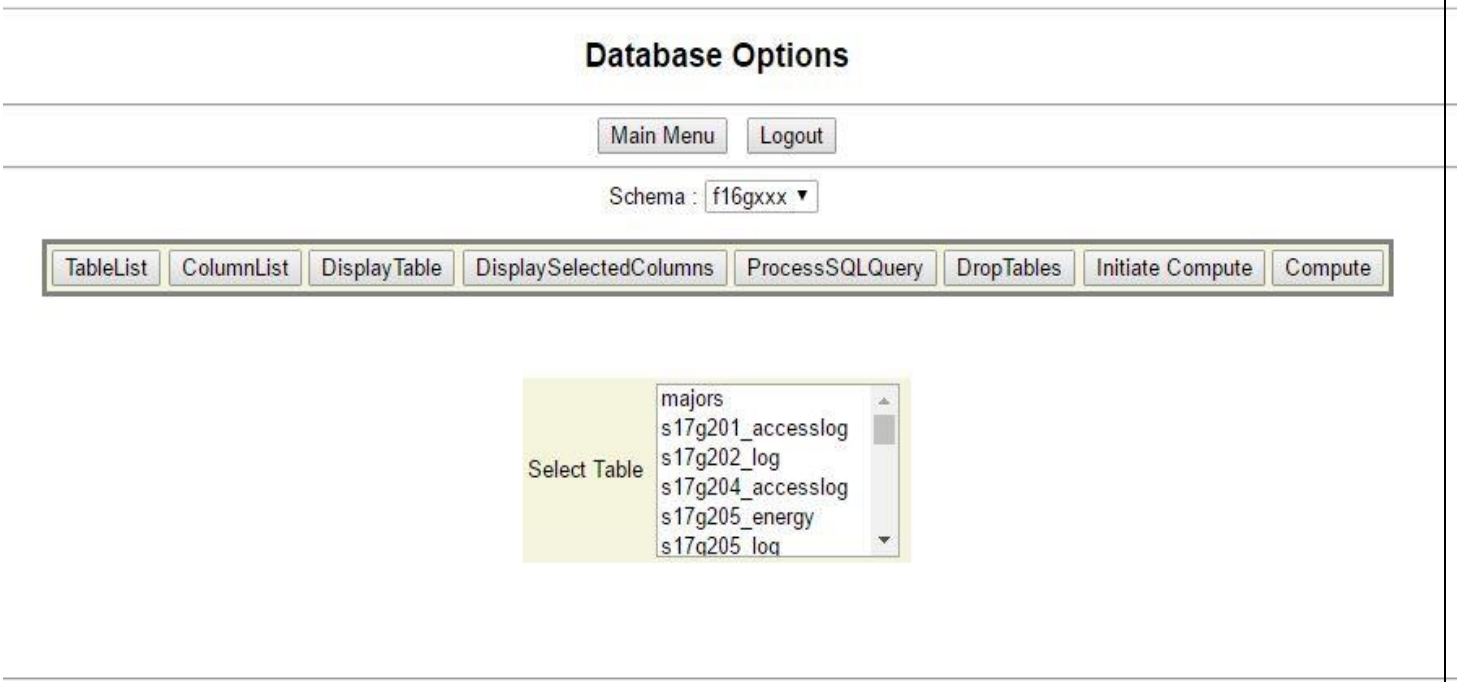
Enter metadata first

Only, after that data can be entered. If the data has bad rows then the user has the option to upload the data or abandon the process.



DATA EXPORT

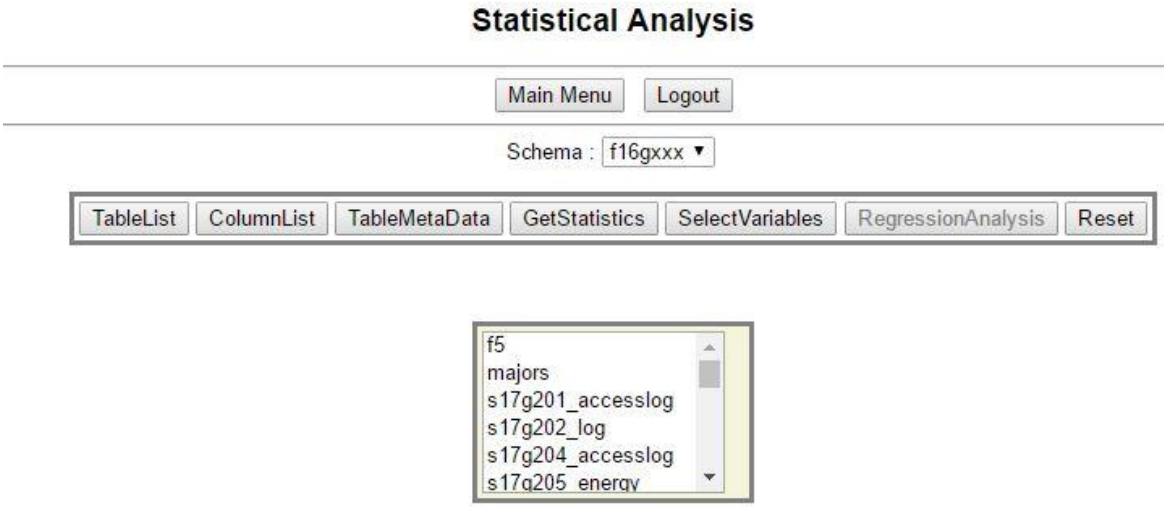
DATABASE OPERATIONS



CRUD operations as well as Computing returns can be performed on any table. However compute returns would only make sense for some type of data.

For computing returns a source column and a destination columns should be selected.

STATISTICAL ANALYSIS



To perform Regression analysis variables(predictor and response) have to be selected first

Column Selected	Minimum Value	Maximum Value	Mean	Variance	Standard Deviation	Q1	Q3	Range	IQR
OilGal	31.4	441.1	226.41	17323.6	131.62	94.3	323.0	409.70000000000005	228.7
Temperature	8.0	65.0	37.0	406.6	20.16	21.0	58.0	57.0	37.0
Insulation	3.0	10.0	7.0	9.6	3.1	3.0	10.0	7.0	7.0

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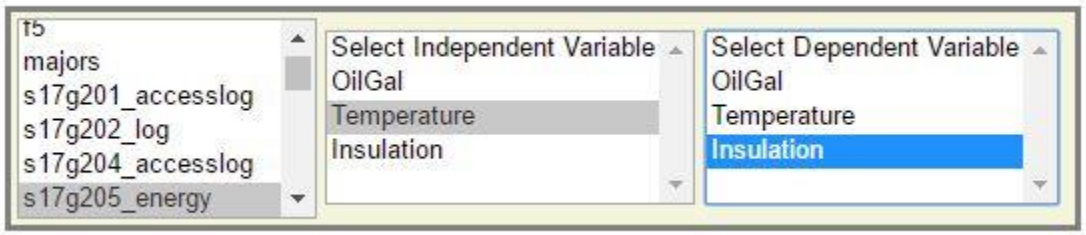
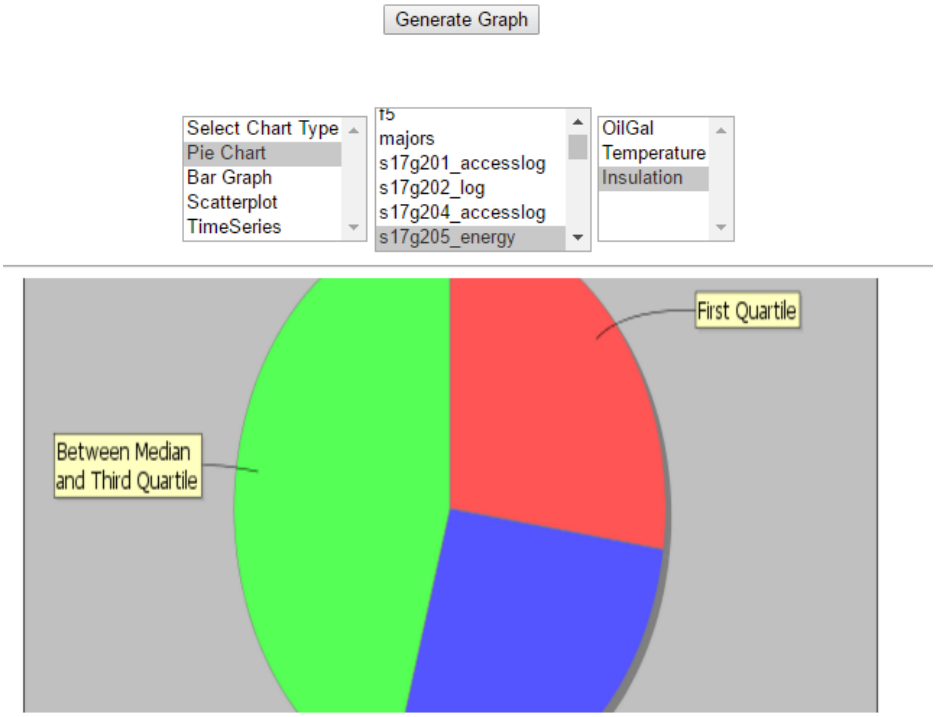
Mean,Median,Mode,Variance,Standard Deviation and other parameters shown above when **Get Statistics** is hit



GRAPHICAL ANALYSIS



A user can select four kind of graphs depending upon appropriateness of data and user choice.

IP ACCESS LOGS

Schema : f16gxxx ▾

GenerateLogs

LogID	Username	dbms	LoginTime	LogoutTime	IPAddress	SessionID
1	f16gxxx	f16gxxx	2017-04-27 23:03:13.158		0:0:0:0:0:0:0:1	BD0949EC73677FA564A90CEB344BEEB3
2	f16gxxx	f16gxxx	2017-04-27 23:16:08.512		10.0.0.222	DB00E46D2DDC2A8A992CD5D9C73E6C6D
3	f16gxxx	f16gxxx	2017-04-27 23:19:37.146		10.0.0.222	DB00E46D2DDC2A8A992CD5D9C73E6C6D
4	f16gxxx	f16gxxx	2017-04-27 23:22:02.553		0:0:0:0:0:0:0:1	6AC4862E60E2C63DDE19E5EDFD37A79A
5	f16gxxx	f16gxxx	2017-04-27 23:25:39.689	2017-04-27 23:25:43.975	0:0:0:0:0:0:0:1	D78DDFEC59ED147892CEA6C301672E39
6	f16gxxx	f16gxxx	2017-04-27 23:28:30.457	2017-04-28 00:00:23.285	0:0:0:0:0:0:0:1	673896AE7A77AE0418B3B74B14F87655
7	f16gxxx	f16gxxx	2017-04-28 00:00:36.157	2017-04-28 00:12:58.38	0:0:0:0:0:0:0:1	FEE3CE52D5F1C262FCE8F43068605F0E
8	f16gxxx	f16gxxx	2017-04-28 00:13:10.507		0:0:0:0:0:0:0:1	B03976D8A32BDBFED7AF920499A98BFD
9	f16gxxx	f16gxxx	2017-04-28 00:13:39.089		0:0:0:0:0:0:0:1	9A2EF56A59BDB151DBAFC7CB7CAADB5E