Welcome to Data Analysis Tool

This document will help you to navigate across our application and also give information about features available and how to use them.

Welcome Screen

s16g21 - Home

Data Data Analysis Page Charts Data Import Data Export Access Logs Help Documents

On welcome screen you can see multiple options provided to access database. Each option is described below

1. Database Access



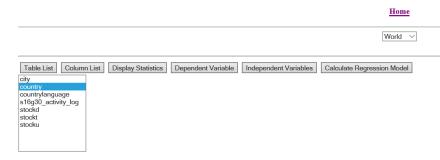
- **Home** button can be used to navigate to welcome screen
- **Drop down menu** is provided to select appropriate schema
- **Table List** option will provide list of all tables selected schema
- Column List will populate all columns in selected table from specified schema
- Display Table option will help you to display data from selected tables
- Display Selected Columns menu will help you to display from selected table but only for specified columns instead of entire data
- Process SQL Query option can be used to run user ad-hoc query's
- Copy Table option can be used to copy tables from one schema to other schema i.e. from world schema to user defined schema
- **Drop Table** option is available only when you select user schema and this option can be used to delete tables

Additional Feature:



Once you displayed table, you can sort in ascending or descending order by clicking on the column header.

2. Data Analysis Page



- Table List option will help you to select tables on which you need to perform data analysis
- **Colum List** will populate columns from selected table
- Display Statistics option will generate statistics for selected numeric columns as shown below

| | Mean | Median | Minimum | Maximum | Standard Deviation | Variance | Quartile 1 | Quartile 3 | Inter Quartile Range | Rar |
|----------------|--------------------|---------|---------|-----------|--------------------|-----------------------|---------------|---------------|----------------------------|-------|
| SurfaceArea | 623248.1422594142 | 71740.0 | 0.0 | 1.70754E7 | 1924139.8533532366 | 3.702314175262215E12 | 2040.0 | 406752.0 | 404712.0 | 1.707 |
| LifeExpectancy | 61.33472803347281 | 69.0 | 0.0 | 83.0 | 20.301635252814698 | 412.15639393832845 | 54.0 | 75.0 | 21.0 | 83.0 |
| GNP | 122823.87866108789 | 4787.0 | 0.0 | 8510700.0 | 637997.5795150454 | 4.0704091146705664E11 | 630.0 | 32852.0 | 32222.0 | 85107 |

- Dependent Variable will let you choose dependent variable for your regression analysis.
- Independent Variable will let you choose independent variables for regression model.
- **Calculate Regression Model** will generate regression model based on your selected variables sample result in shown below.



Equation: y (Population) = 2.56061375E7 * Surface Area - 65.26597732094382 * Life Expectancy - 76352.84391533693 * GNPOld Color of the Color of th

Columns Beta Value Residuals Standard Errors 4.470348358154297E-8 SurfaceArea 2.56061375E7 7161677.887092667 -65.26597732094382 LifeExpectancy -2.644956111907959E-7 282.1513873399045 GNPOld -76352.84391533693 2.0489096641540527E-7 2916736.2344650724

| Regressand | R Squared | Sigma |
|-----------------------|-----------------------|----------------------|
| 1.1955195630549664E16 | 2.8596669138503117E-4 | 1.1001978330009297E8 |

3. Data Import

Home

| | Select file to upload: Choose File No file chosen |
|-------------|---|
| File Label: | |
| | Submit |

Data Import option can be used to import data into database from CSV or XML file format.

4. Data Export



Home

Data Export option is used to export data in CSV file format or XML file format as shown above and schema can be selected using drop down menu.

5. Access Logs

 user
 dbschema
 ipAddress
 loginTime
 logOutTime

 s16g21
 world
 10.1.209.57
 04/22/2016 02:06:28
 04/22/2016 02:08:07

 s16g21
 world
 10.1.209.57
 04/22/2016 02:27:16
 04/22/2016 02:08:07

Access lags can be accessed using Access Logs menu which will show all access activities on database application.

6. Help Document

As you are reading this document so you have already figured out what this option does... ©