



CANADA ANALYSIS

1978

User Manual

System Overview

- A software system that can run on Windows and Mac OS platforms.
- Integrated User Interface
- System Title: Canada Analysis
- System category: Major Application: A system that analyzes database files currently based on the value of Education and Public Transportation across provinces in Canada.
- Operational Status: Fully operational, under consistent development and updates.

To run system software, follow the following steps:

1. Set up appropriate command line tool such as Terminal on Mac OS.
2. Run the script main.pl in the appropriate Perl format.
3. A user interface will be displayed on your screen as shown which will now be ready for use.

```
Welcome to an analysis of public transportation and education value in Canada.  
This program is designed to answer the questions outlined below.  
Please enter your choice to begin.  
  
1. What is the average value of public transportation across different provinces between  
given years?  
2. How does the value of education in two provinces evolve across a given time period?  
3. What province has the highest value in education and within that province, what is the  
percentage of females and males in the various fields of study?  
4. Quit
```

To navigate around the User Interface, follow the steps below:

1. Choose a number from 1 to 4 which corresponds to the question that you're interested in or choose 0 to quit the program. Upon invalid input, you will be prompted to reenter your response.
2. As you provide your question number as user input, the system will instantly run the corresponding Perl script and you'll be redirected to that segment of the software.
3. According to the question you choose, you'll be prompted to provide valid data input. Upon invalid input, the program will notify you of any data restrictions and limitations, prompting you to reenter correct data.
4. If your question returns output as follows: "Your graph has been generated", you will find your graph as a pdf file in the corresponding question data file.
5. If your question does not support visualized, graphed output, textual, summarized output will be instantly returned upon compilation.