Title: Datasheet about vehicle ownership and the eleven determinants factors in Nigeria

Authors: Nwachukwu, M.U and Ukonz, F.I,

Department of Urban and Regional Planning,

 Faculty of Environmental studies, University of Nigeria, Nigeria.

Corresponding Author: Nwachukwu, M.U.

Contact information: Maxwell.nwachukwu@unn.edu.ng

Department of Urban and Regional Planning,

 Faculty of Environmental studies, University of Nigeria, Nigeria.

1. Introduction

This data set was collected during field study for the Masters Degree progamme in Urban and Regional Planning of the University of Nigeria. They were collected from official sources in Nigeria namely National Bureau of Statistics and Central Bank of Nigeria. This study was aim at determining factors that influence vehicle ownership as well as forecasting vehicle ownership up to 2050. The data is being made public as supplementary material for publications and masters' degree dissertation of Ukonze, F.I., so that other researchers could benefit by using them in their subsequent researches.

2. Methodology

Multiple linear regression technique was used to determine factors that influence vehicle ownership as well as forecast vehicle ownership up to 2050. The dependent variable (y) was vehicle ownership whereas the independent variables (x) were socioeconomic and Physical factors that are known to influence vehicle ownership. Analysis was done using Statistical Packages for Social Sciences (SPSS) software.

3. Data specific information

The dataset were Vehicle ownership and socioeconomic and Physical factors that are known to influence vehicle ownership collected for a period of 40 years. The dependent variable was vehicle ownership. The independent variables consists of 11 under listed factors

 SV = Stock of vehicles (dependent variable)

 GDP = Gross Domestic Product (independent variable)

 PCI= Per capita Income   "

 IR = Inflation Rate   "

FP = Fuel price   (independent variable)

AC = Accident cases   "

EL = Educational Level   "

UN = Unemployment   "

UR = Urbanization rate   "

PTS = Public Transportation System   "