National College of Ireland

Configuration Manual

MSc Research Project

In Financial Technology

Mayur Savaliya

Student ID: x21248079

School of Computing

National College of Ireland

Supervisor: Prof. Victor Del Rosal

National College of Ireland

MSc Project Submission Sheet

School of Computing

Student Name: Mayur Savaliya

Student ID: x21248079

Programme: MSc in Financial Technology (FinTech)

Year: 2022/2023

Module: Research Project

Supervisor Name: Prof. Victor Del Rosal

Due Date: 14th of August 2023

Project Title:

Word Count: 396

Page Count: 9

I hereby certify that the information contained in this (my submission) is information pertaining to research I conducted for this project. All information other than my own contribution will be fully referenced and listed in the relevant bibliography section at the rear of the project.
ALL internet material must be referenced in the bibliography section. Students are required to use the Referencing Standard specified in the report template. To use other author's written or electronic work is illegal (plagiarism) and may result in disciplinary action.

Signature: Mayur Savaliya

Date: 14/08/2023

PLEASE READ THE FOLLOWING INSTRUCTIONS AND CHECKLIST

Attach a completed copy of this sheet to each project (including multiple copies)	□
Attach a Moodle submission receipt of the online project submission, to each project (including multiple copies).	□
You must ensure that you retain a HARD COPY of the project, both for your own reference and in case a project is lost or mislaid. It is not sufficient to keep a copy on computer.	□

Assignments that are submitted to the Programme Coordinator Office must be placed into the assignment box located outside the office.

Office Use Only	
Signature:	
Date:	
Penalty Applied (if applicable):	

Configuration Manual

Name: Mayur Savaliya

Student ID: x21248079

Program: MSc in Fintech

Introduction

The research dissertation is a part of my MSc in FinTech program and the following configuration manual highlighted the steps the and procedures along with the needed software that was required throughout the findings and evaluation process.

Software Specification

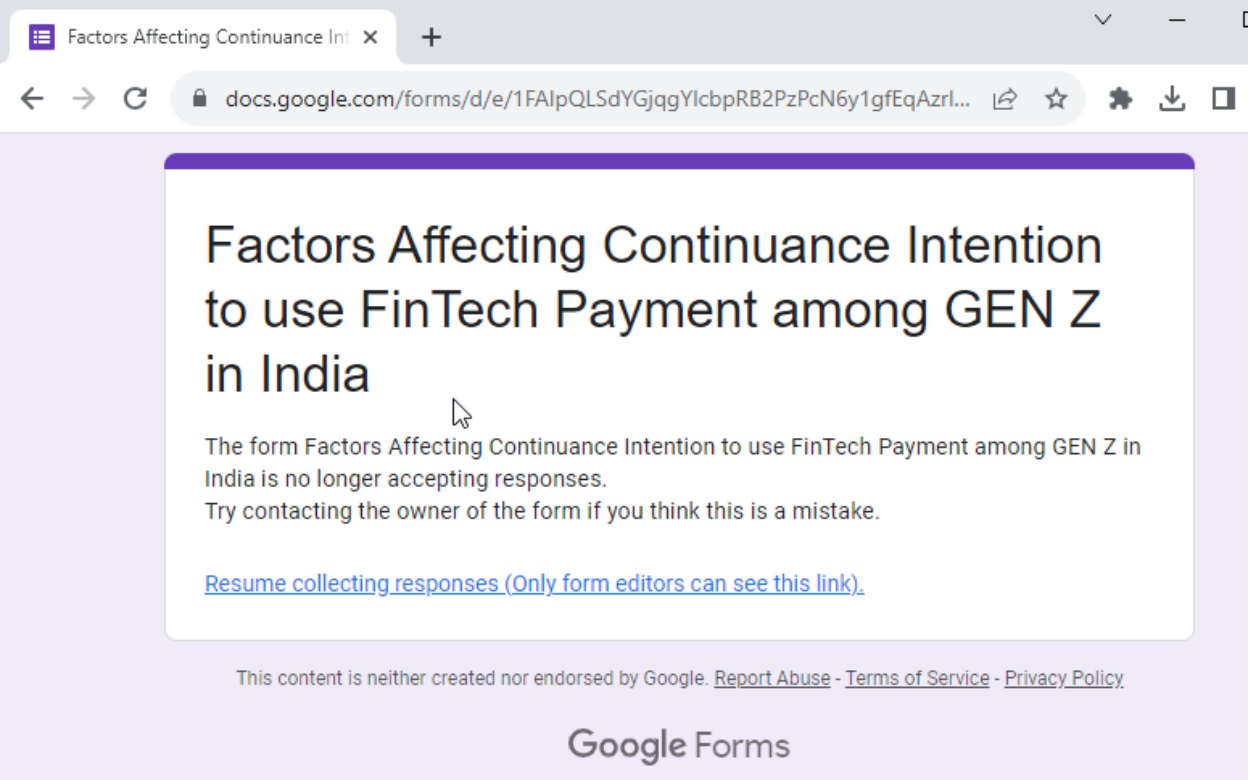
The following research analysis was done on SPSS (Statistical Package for the Social Sciences), also known as IBM SPSS Statistics, version 29.

Software for Data collection

The responses were collected on google form. The link was created and the responses were then saved in google form excel sheet which later used for analysis purpose

Link: https://forms.gle/XsHYbjAxDhmjwp3k8

Google Form Screenshot



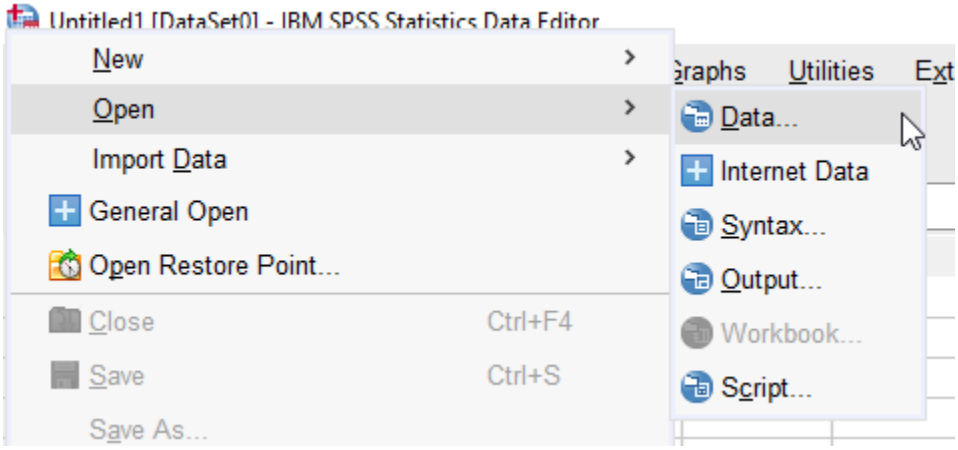
SPSS Data File

The google spreadsheet were then imported to SPSS data file and these are the steps that were taken during the process

Step to Follow

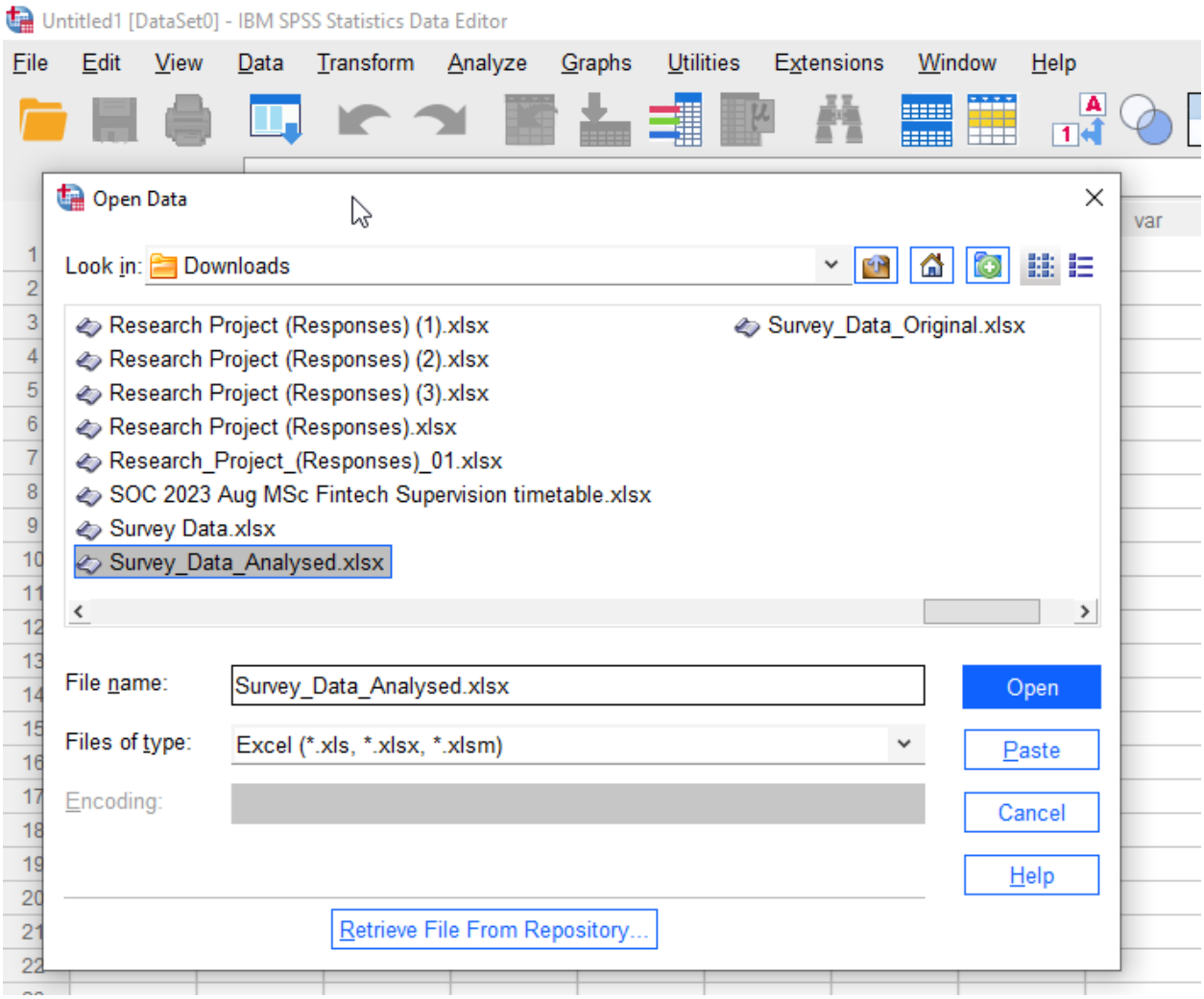
STEP 1

Click File → Open → Data…



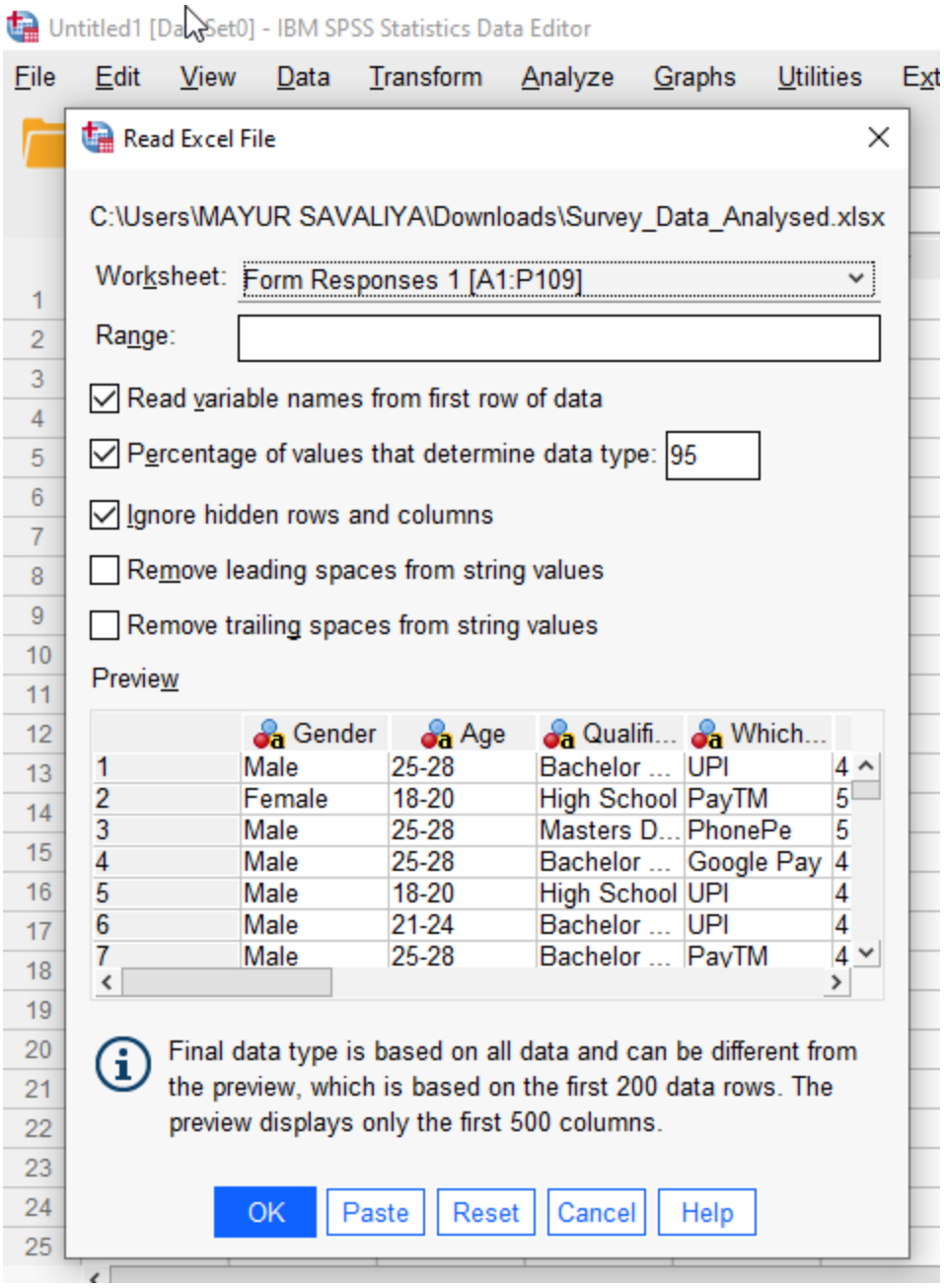
STEP 2

Then a small window will pop up, named Open Data → select "All Files (*.*)" or “Excel (*.xls, *.xlsx, *.xlsm)” next to "Files of type" → browse and select the excel data file → click on “Open”.



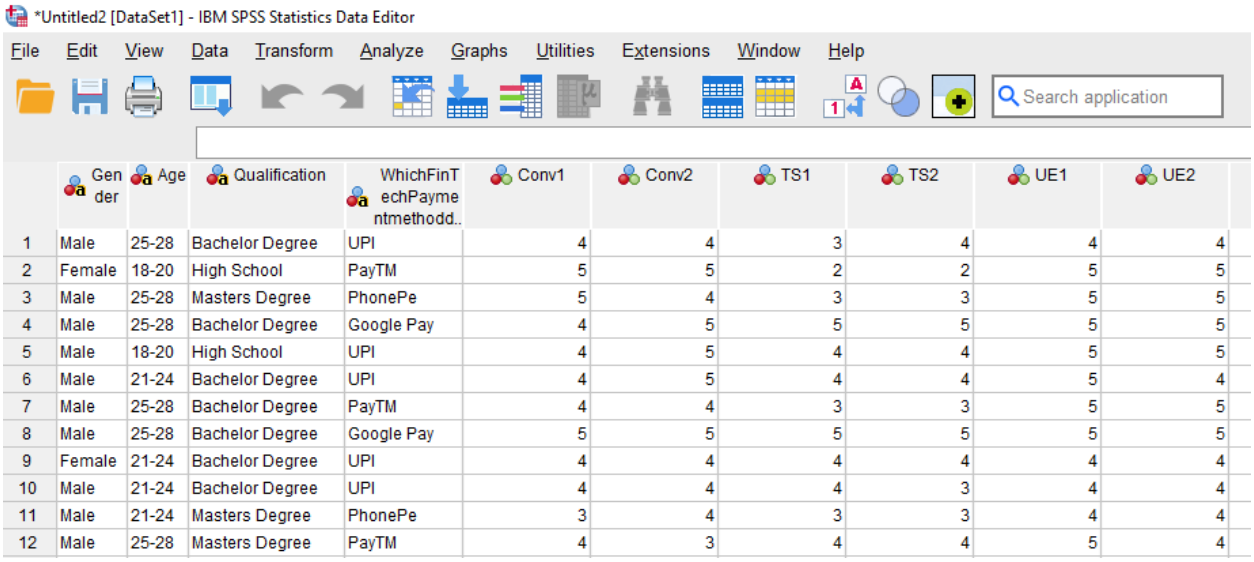
STEP 3

Then a default window will pop up → click on “OK” without making any changes on the screen.



STEP 4

Then the process will be over and would able to see the data on SPSS as below.



	Gender	Age	Qualification	WhichFinTechPaymentmethodd..	Conv1	Conv2	TS1	TS2	UE1	UE2
1	Male	25-28	Bachelor Degree	UPI	4	4	3	4	4	4
2	Female	18-20	High School	PayTM	5	5	2	2	5	5
3	Male	25-28	Masters Degree	PhonePe	5	4	3	3	5	5
4	Male	25-28	Bachelor Degree	Google Pay	4	5	5	5	5	5
5	Male	18-20	High School	UPI	4	5	4	4	5	5
6	Male	21-24	Bachelor Degree	UPI	4	5	4	4	5	4
7	Male	25-28	Bachelor Degree	PayTM	4	4	3	3	5	5
8	Male	25-28	Bachelor Degree	Google Pay	5	5	5	5	5	5
9	Female	21-24	Bachelor Degree	UPI	4	4	4	4	4	4
10	Male	21-24	Bachelor Degree	UPI	4	4	4	3	4	4
11	Male	21-24	Masters Degree	PhonePe	3	4	3	3	4	4
12	Male	25-28	Masters Degree	PayTM	4	3	4	4	5	4

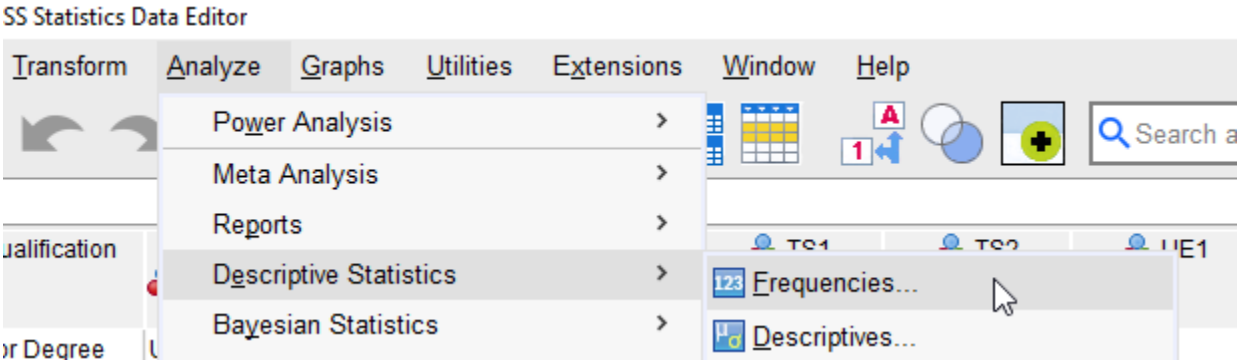
SPSS Techniques

Demographic Analysis

The first technique that was taken for analysis was frequency statistics which initially used for the respondent's demographic analysis.

Steps to Follow

Steps click Analyze > Descriptive Statistics > Frequencies to open the Frequencies window.

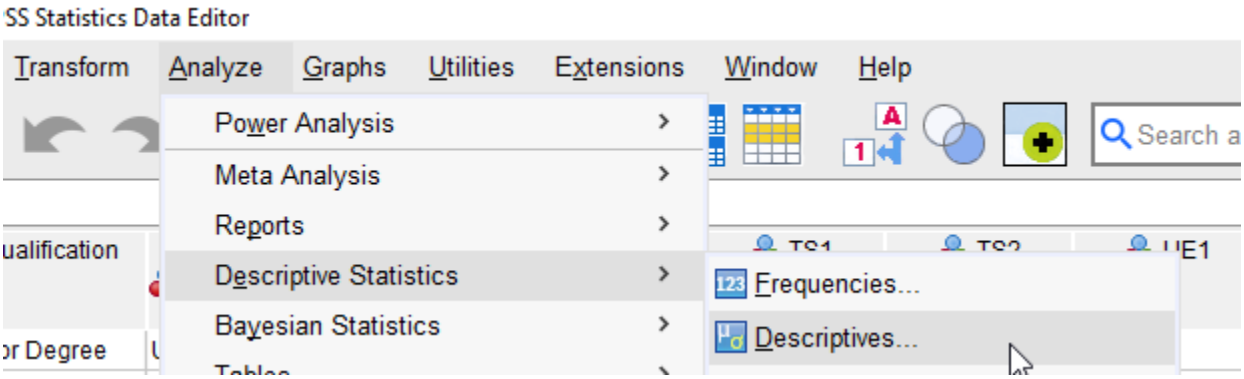


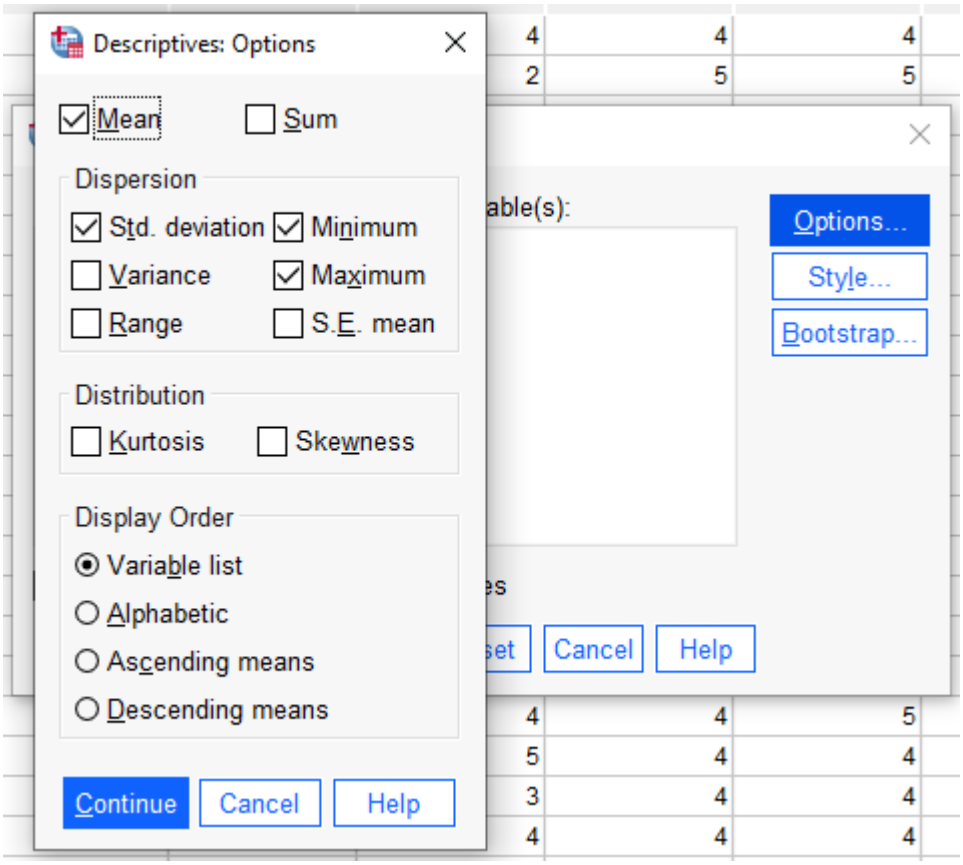
Descriptive Analysis

The second technique that was used for analysis is the descriptive analysis on SPSS and it is use to learn more about the distribution of the observations in variables to for analysis, transforming variables, and reporting

Steps to follow

Click Analyze > Descriptive Statistics > Descriptive.



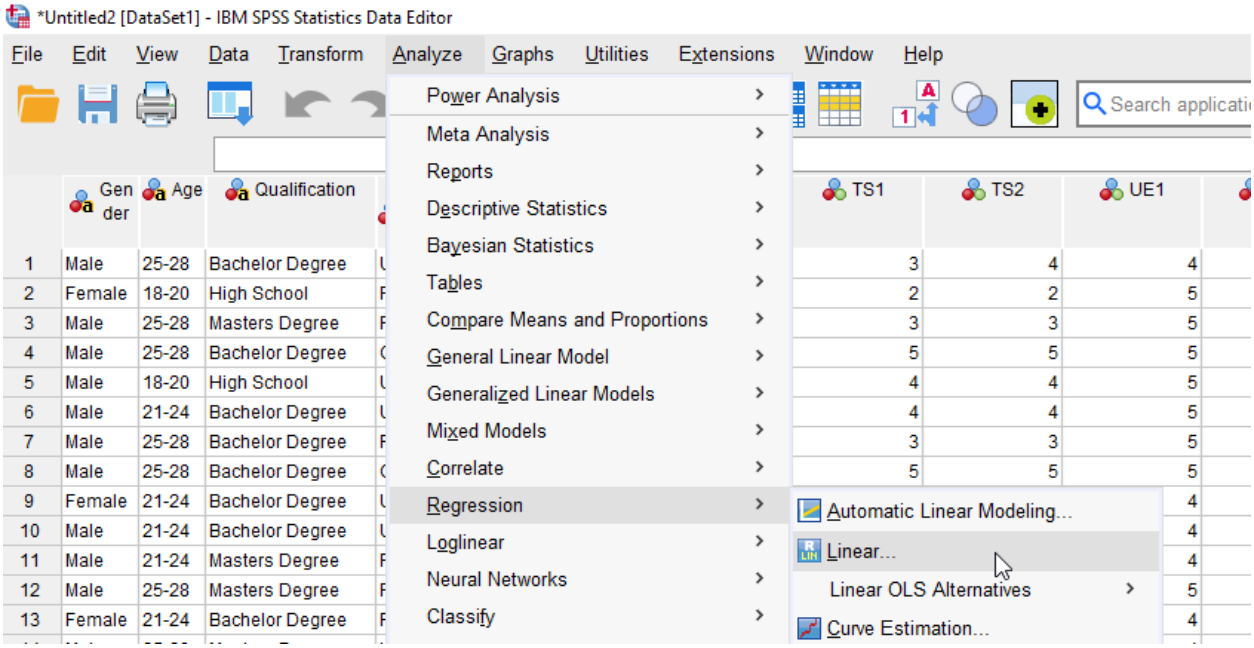


Regression Analysis

The Third technique that was used for analysis is the regression analysis on SPSS which was used for the variable correlation

Steps to follow

Click Analyze > Regression > Linear... on the top menu, as shown below:

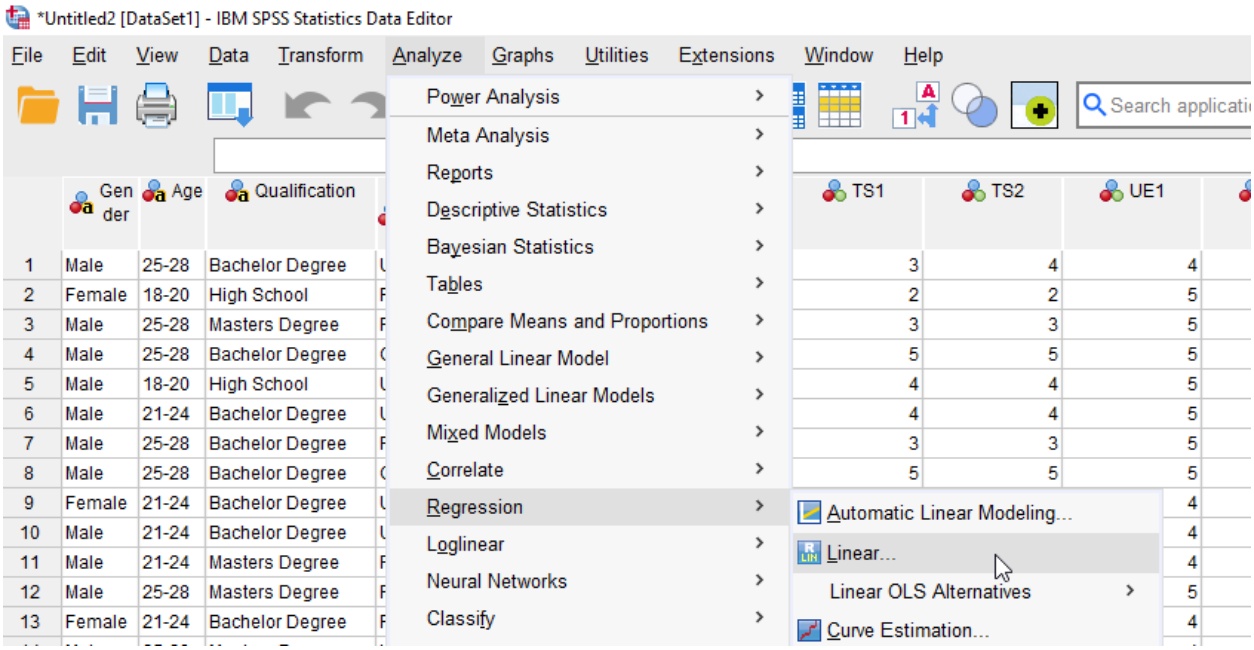


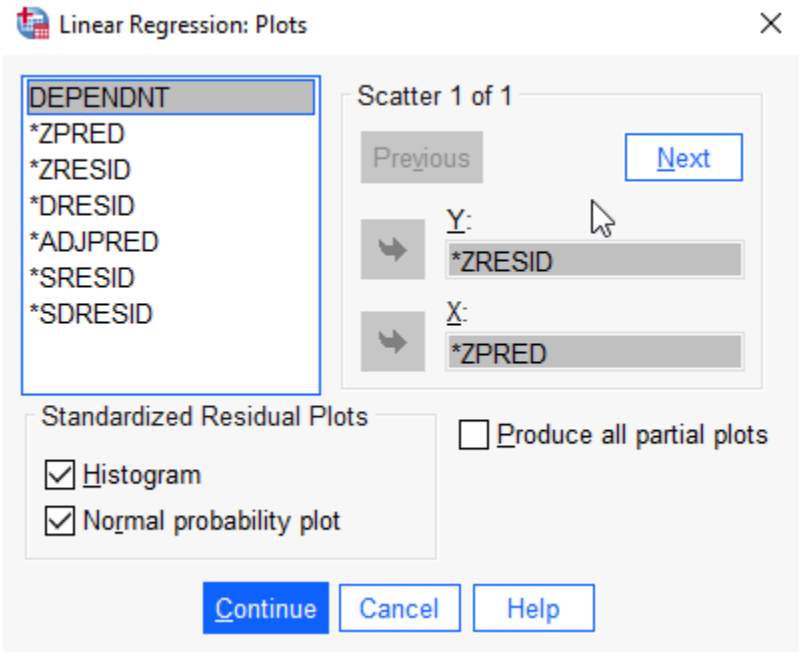
Quadratic Regression

The fourth last technique was Quadratic Regression which is the part of regression analysis and reflect the scatterplot of regression

Steps to follow

click "Analyze", then "Regression", and then "Linear". In the Linear Regression dialog box. Click on the "Plots" button. Move ZRESID to the Y box and ZPRED to the X box. Then click "OK".


*Untitled2 [DataSet1] - IBM SPSS Statistics Data Editor
File Edit View Data Transform Analyze Graphs Utilities Extensions Window Help
Power Analysis
Meta Analysis
Reports
Descriptive Statistics
Bayesian Statistics
Tables
Compare Means and Proportions
General Linear Model
Generalized Linear Models
Mixed Models
Correlate
Regression
Loglinear
Neural Networks
Classify
Automatic Linear Modeling...
Linear...
Linear OLS Alternatives
Curve Estimation...
Search applicati
Gender Age Qualification TS1 TS2 UE1
1 Male 25-28 Bachelor Degree 3 4 4
2 Female 18-20 High School 2 2 5
3 Male 25-28 Masters Degree 3 3 5
4 Male 25-28 Bachelor Degree 5 5 5
5 Male 18-20 High School 4 4 5
6 Male 21-24 Bachelor Degree 4 4 5
7 Male 25-28 Bachelor Degree 3 3 5
8 Male 25-28 Bachelor Degree 5 5 5
9 Female 21-24 Bachelor Degree 4
10 Male 21-24 Bachelor Degree 4
11 Male 21-24 Masters Degree 4
12 Male 25-28 Masters Degree 5
13 Female 21-24 Bachelor Degree 4


Linear Regression: Plots
DEPENDNT
*ZPRED
*ZRESID
*DRESID
*ADJPRED
*SRESID
*SDRESID
Scatter 1 of 1
Previous
Next
Y:
*ZRESID
X:
*ZPRED
Standardized Residual Plots
Histogram
Normal probability plot
Produce all partial plots
Continue
Cancel
Help