Configuration Manual

MSc Research Project
MSc FinTech

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Programme:	MSc FinTech
Module:	Research Project
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Submission Due Date:	16/08/2024
Project Title:	The Transformative Impact of UPI on Indian Fintech Landscape

Year: 2023

Word Count: 570   **Page Count: 5**

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1 Introduction

This manual, for setting up is included in the research paper as a part of the MSc Fintech module. It describes the methods employed in conducting the research. Furthermore, it details the aspects and hardware setup of the system utilized to generate the findings enabling researchers to recreate the study's results.

2 System Configuration

In this section we talk about the setup needed to run the analysis.

2.1 Hardware Requirements

- Device Name: JOBIN
- Windows 11 Home Single Language
- AMD Ryzen 7 6800H with Radeon Graphics 3.20 GHz
- RAM: 16GB (15.3 Usable)

2.2 Software

- The IBM SPSS Statistics 21 software to analyze the data and implement the methodologies, in this study.

- Google Forms served as the survey tool for distributing the inquiries and gathering information.

- To transfer the data and responses from Google Forms into a CSV file, Microsoft Excel was employed. Prior, to importing it into SPSS individuals who declined to participate in the survey were excluded from the dataset.

3. Installation of SPSS Software

The software utilized is the SPSS software, for data analysis and implementation of methods outlined in the study. Techniques employed here are statistics, Chi Square, Correlation and Regression, on SPSS to produce the research outcomes and discoveries.

4. Importing the Data

After transferring the data from the Google Sheet to Microsoft Excel the respondents who chose not to take part in the survey were removed. Subsequently the data was analyzed using SPSS for evaluation purposes.

Figure 1: Exhibiting the layout of the SPSS interface. Showcasing the information of Young Professionals obtained from the Excel document.

Figure 2: The SPSS interface is shown along, with the data of Small Business Owners extracted from the Excel file.
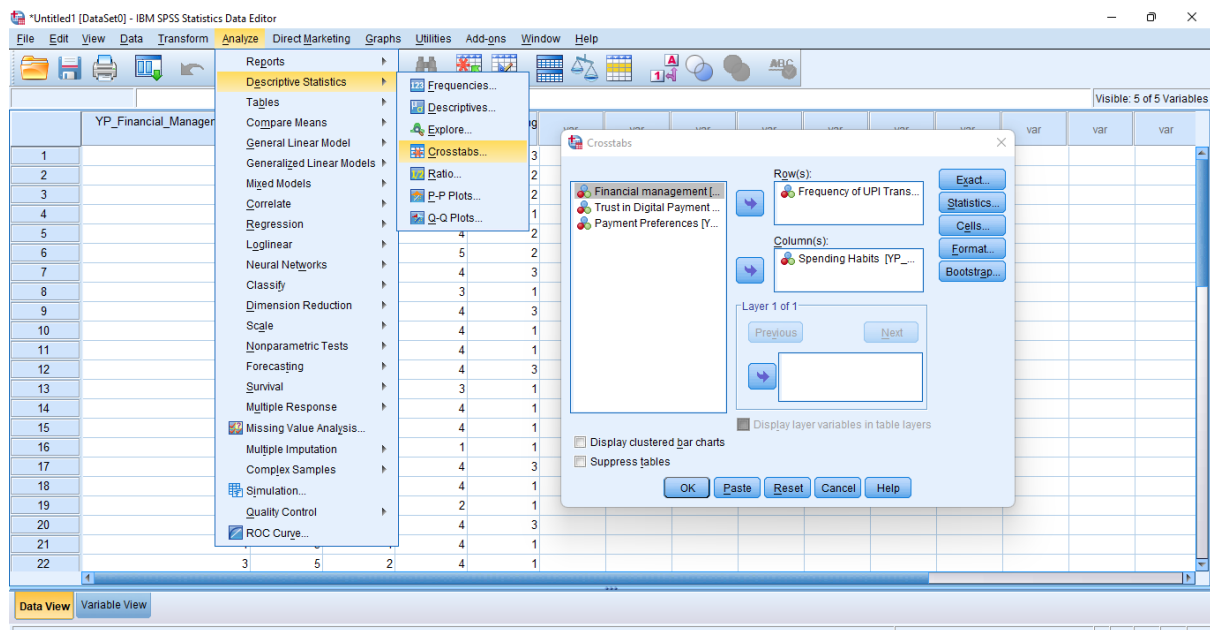
5.Techniques used for analysis

Descriptive statistics
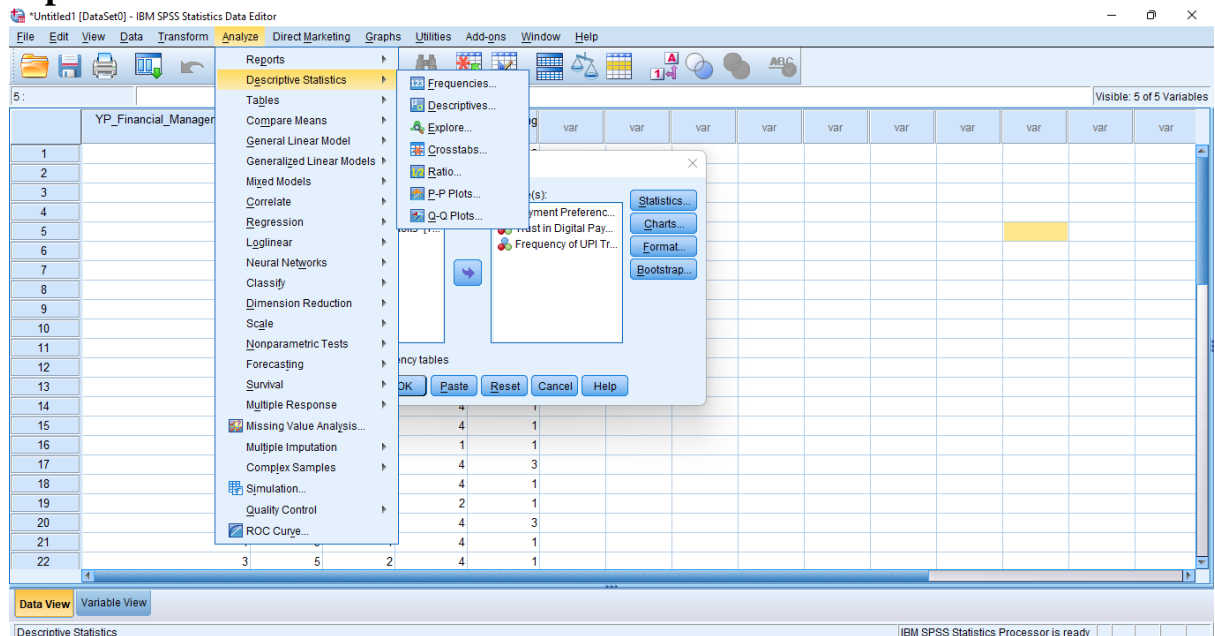
1. Access Descriptive Statistics: Go to the "Analyze" menu, select "Descriptive Statistics," and then choose "Descriptives."
2. Select Variables: In the dialog box, move the variables of interest to the "Variables" box.
3. Choose Options: Click on "Options" to select additional statistics like mean, standard deviation, etc.
4. Run Analysis: Click "OK" to generate the descriptive statistics output.

Chi square

1. Access Chi-Square Test: Go to the "Analyze" menu, select "Descriptive Statistics," and then choose "Crosstabs."

2. Select Variables: Move the categorical variables of interest into the "Row(s)" and "Column(s)" boxes.

3. Request Chi-Square Test: Click the "Statistics" button, check the "Chi-square" option, and click "Continue."

4. Run Analysis: Click "OK" to perform the Chi-Square test and view the results in the output window.

Correlation
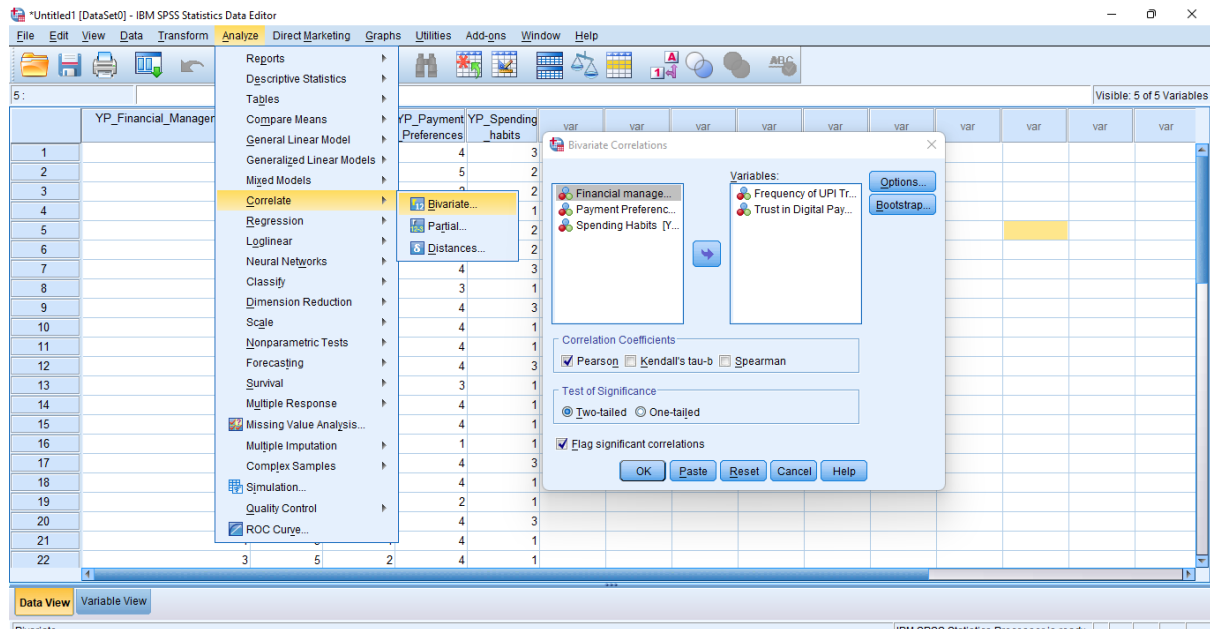
1. Access Correlation Analysis: Go to the "Analyze" menu, select "Correlate," and then choose "Bivariate."

2. Select Variables: Move the variables to be correlated into the "Variables" box.

3. Choose Correlation Coefficients: Select the correlation coefficient (e.g., Pearson) based on your data type.

4. Run Analysis: Click "OK" to generate the correlation matrix in the output window.

Regression
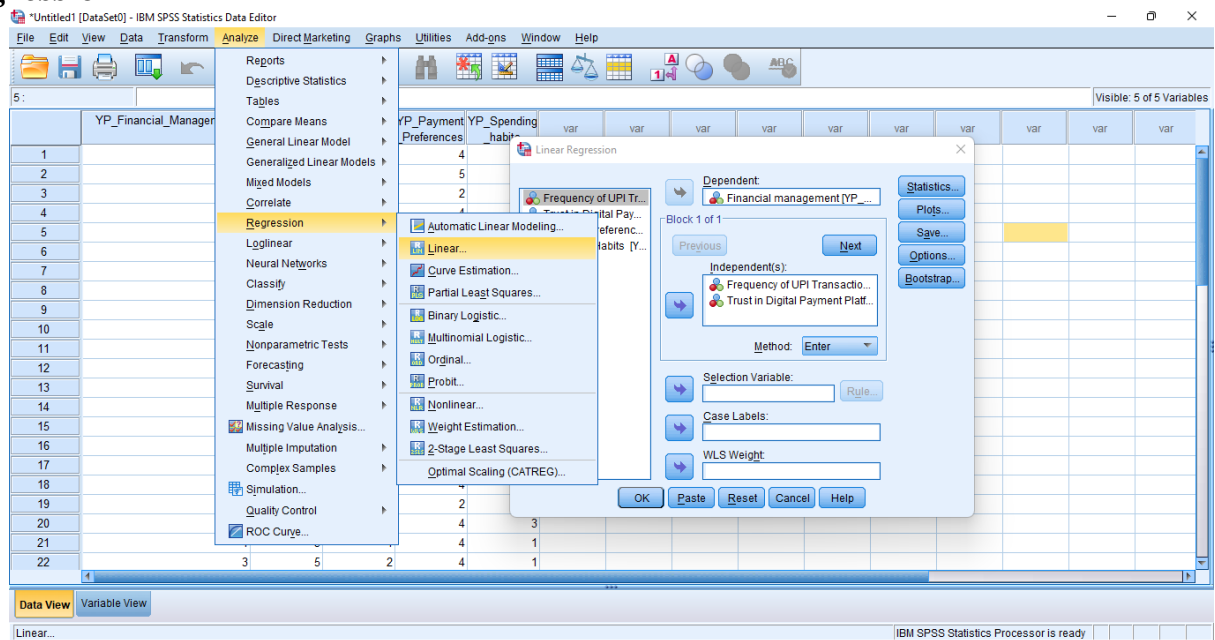
1. Access Regression Analysis: Go to the "Analyze" menu, select "Regression," and then choose "Linear."

2. Select Dependent Variable: Move the dependent variable into the "Dependent" box.

3. Select Independent Variables: Move the independent variable(s) into the "Independent(s)" box.

4. Choose Options: Click "Statistics" or "Plots" to select additional options if needed.

5. Run Analysis: Click "OK" to perform the regression analysis and view the results in the output window.