

FATHIMA HANAN K.S

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OBJECTIVE

To leverage my technical and statistical skills to contribute effectively to data analysis and decision making in dynamic work environment. I am confident that I can bring immense value to a company that values continuous improvement and professional development.

KNOWLEDGE

- Good knowledge in SAS to access data; create temporary and permanent data sets by using **Proc Import and Libname**.
- Have an understanding to use **Proc Contents** for understanding the descriptive portion of data sets.
- Good knowledge in combining data sets with different methods that are **Proc Append, Concatenation, Interleaving and Merge**.
- Have a good understanding to create and manipulate SAS date values by using **Informats and Formats**.
- Can control which observations and variables are to be processed or shown in the output by using **Where** and **If** statements; **Keep, drop options** and **statements**.
- Can Sort the observations in dataset by using **Proc Sort** and remove the duplicate values.
- Have a good understanding of conditionally executing the SAS data step by **If-Then/If-Then-Else/If-Then-Else-Do**.
- Good knowledge in creating new variables by using **assignment** statements.
- Have an understanding in modifying the attributes of the variables with **Rename option, Label, Format and Length**.
- Have knowledge of accumulating sub-totals and totals using **By statement, Retain statement and Sum statement**.
- Have an understanding of different character, numeric and date Functions such as **SCAN, SUBSTR, TRIM, LOWCASE, INT, ROUND, MDY, TODAY, INTNX and INTCK**.
- Have an understanding of Functions to convert character to numeric and vice versa by using **Input** and **Put functions** respectively.
- Have knowledge of processing data using **Do Loops**.
- Have good knowledge of re-structuring the data sets using **Proc Transpose**.
- Can identify and resolve programming **logical errors**.
- Have knowledge of generating list reports using **Print Procedure**.
- Have knowledge of generating summary reports and frequency tables by using **Proc Means, Proc Summary and Proc Freq**.
- Can enhance reports by using User-defined **Formats, Titles, Footnotes and Label**.
- Have knowledge of generating reports using **ODS Statements**.

- Have the knowledge of exporting data using **Proc Export**.
- Have knowledge of using special features such as options (**Keep =, Drop =, Rename =, Obs =, Noprint, number**) , creating macros with Into Clause, using Functions like (**SCAN, SUBSTR, LENGTH**), and accessing system information by dictionary tables (Members, Tables, Columns)
- **R Programming** : Simple Mathematical and Statistical calculations like algebraic operations, matrix operation, mean, median , mode, standard deviation, inverse of a matrix ,probability distributions etc.and Data visualisation.

ACADEMIC PROJECT

Statistical study on body signals of smoking.

Statistical software used is **SPSS**

- Applied **chi square tests** for data analysis by checking the association between two categorical variables.
- To perform **independent t test** for hypothesis testing and group comparison within project data.
- Utilised SPSS for advance statistical analysis, including the **Kruskal wallis test**, to assess non parametric relationships and variances with in project data.
- Applied **binary logistic regression analysis** in model and predict outcomes, making data driven decisions for project success.
- Assess the **normality** of the variable through visual inspection, ensuring the data adherence to normal distribution assumptions.

EDUCATION

- *M.Sc Statistics* (2021-2023)
Mar Athanasius college Kothamangalam.
- *B.Sc Mathematics* (2018-2021)
Newman college Thodupuzha
- *Bio Maths* (2016-2018)
Government model H.SS Muvatupuzha
- *10th Grade*
St. George public school Mannor

CERTIFICATION

- CATEGORICAL DATA ANALYSIS conducted by P.G Department of Statistics, Mar Athanasius college Kothamangalam.
- DATA ANALYSIS WITH R PROGRAMMING, course authorized by Google and offered through Coursera.

PERSONAL DETAILS

DOB : 06 February 2001

Gender : Female

Marital status: Unmarried

Address: Kotteparambil (h) Thrikalathoor P.O Muvattupuzha

DECLARATION

I hereby declare that the above information is true to my knowledge and belief and can be provided with relevant document when needed.

Fathima Hanan K.S