## VARIATIONS OF FOOT MEASUREMENT OF PRIMARY SCHOOL GOING STUDENTS THROUGH BINARY

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## ABSTRACT

RESULTS AND DISCUSSION:
right foot in terms of length, width, girth height, weight, arch measurement and to define its cuteness, as well as to suggest a binary logistic mathematical model for the analysis and obtain definite conclusion about these variable with the changes

## NTRODUCTION:

Fitting comfort is perhaps the most critical part of shoe design. It is definitely a major factor in the decision to buy a specific pair of shoes and it is obvious that good fit comfort can alleviate the decision to buy a specific pair of shoes and it is obvious that good fit comfort can alleviate new shoes

- The most critical part of customizing footwear is creating a personalized or better-fitting shoe-- The m
- This paper explains the foot measurement process and variations of foot measurement of primary school going students of age 8 to 12 and also offers descriptions of the similarity between foot length and joint girth, as well as knowledge that the human foot booth is not the same in measurements and similarity between two foot. These measurements also vary in age to weight and height to height.


## Objectives:

To determine the foot changes of school going students
Analysis the changes with height and weight to ensure proper weight allocation
To perform Binary Logistic Regression analysis between foot parameters
Materials and Methods : The following measurements are taken for primary school going students using Foot Calipe, Measuring tape and Weight machine
Foot length Measurement
Foot width measurement

- Foot girth measurement
- Height Measurement
- Weight Measurement
- Arch Measurement


The collected data were analyzed using Binary Logistic Regression analysis, Microsoft word Microsoft XL, SPSS



Fig: Collecting various data


Left Foot width:


Conclusion:

Fig: Pearson Correlation

Right Foot length:


Right Foot width:


Arc right foot height:


Arc left foot length :


Arc right foot length

Left Foot girth: Right Foot girth:


Arc left foot height:


## Height:





- Three conversational formulas for measuring foot parameters were built side by side in this research work. The length, width, girth height, weight and arch measurement are taken of the primary school going students. This research indicates the amount of grading needed in such range and also help to create proper fitting in those ranges.

