



LAKSHMI S

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KOTTAYAM

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CAREER OBJECTIVE

To succeed in my professional career as a Biostatistician, by working hard to achieve the objectives of the company and thereby gaining experience in technical knowledge.

EDUCATION

MSc Biostatistics 2017 — 2019

St Thomas college pala

Affiliated to MG University Kottayam, Kerala
Percentage of marks - 77%

BSc Mathematics 2014 — 2017

BVM Holy cross college cherpunkal

Affiliated to MG University Kottayam, Kerala
percentage of marks - 83%

Higher secondary 2012 — 2014

NSS HSS Kidangoor

Kerala state board
percentage of marks -79%

Matriculation — 2012

St Mary's GHSS Pala

Kerala state board
Percentage of marks - 80%

PROJECTS

- **Problem:** To estimate the association between hypothyroidism and its risk factors, **Solution:** Supervised machine learning is used to solve the problem . Logistic regression , a supervised learning algorithm is used for that.
- **Problem:** To determine the effect of yoga on the functioning of sacculo-colic pathway using C-VEMP. Vestibular Evoked Myogenic Potential (VEMP) is a useful tool to tap the functions of sacculo-colic reflex. Then the test is used to identify the impact of practicing yoga on balance system, **Solution:** The explanatory data analysis is used to find the P1-N1 complex latency, amplitude function and asymmetry ratio between the control and experimental group.

RESEARCH WORK (2019)

Completed a project entitled "**RANDOM FOREST Vs LOGISTIC REGRESSION: A CLASSIFICATION APPROACH**".

- **Problem:** To find whether RF or logistic regression is the best classification method.
- **Solution:** Supervised machine learning method like RF and Logistic regression is used to solve the problem.

**PROFESSIONAL
EXPERIENCE**

BIostatistician Trainee: June 2019 - August 2019
(Internship)
Dr. S. R. Chandrasekhar Institute of Speech and Hearing Bengaluru, Karnataka

**TRAINING AND
CERTIFICATES**

- Attended "INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN STATISTICAL METHODOLOGY WITH APPLICATIONS IN CLINICAL AND OFFICIAL STATISTICS" in collaboration with Christian Medical College, Vellore and university of Maryland, USA.
- Attended "WORKSHOP ON BIostatISTICS AND EPIDEMIOLOGICAL METHODS" in Medicine and Public Health organized by Department of Biostatistics, St.Thomas College Pala
- Attended three-day SAS training programme organized by the department of Biostatistics, St. Thomas College, Pala in collaboration with Christian Medical College, Vellore.
- Attended "ADVANCED EPIDEMIOLOGY" in collaboration with PSG institute of Medical science and research Coimbatore.
- Attended "Hands-on Workshop on Morbidity Measurements", organized by Pushpagiri Clinical Epidemiology unit at Pushpagiri Medical College Hospital campus.
- Attended "36th Annual Conference of Indian Society for Medical Statistics (ISMSCON-2018) Organized by the Department of Biostatistics, NIMHANS, Bengaluru, Karnataka.

**AREA OF
INTEREST**

Testing of hypothesis
Machine learning (Random forest , Decision tree)
Logistic regression

**SOFTWARE
KNOWLEDGE**

Python
R
SPSS
Basics of SAS
Basics of C,C++
Microsoft Office

REFERENCE

Dr. K. K. Jose M.Sc, M.Phill, Ph.D.
Rtd. Principal /Professor and Head
Department of Biostatistics
St.Thomas College, Pala
Kottayam,Kerala - 686574