



ArabiStat

Statistical Analysis and Consulting

Statistics

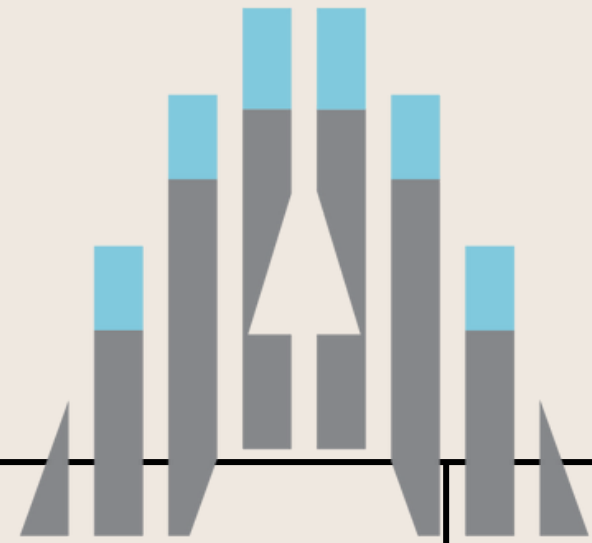
WITH

R

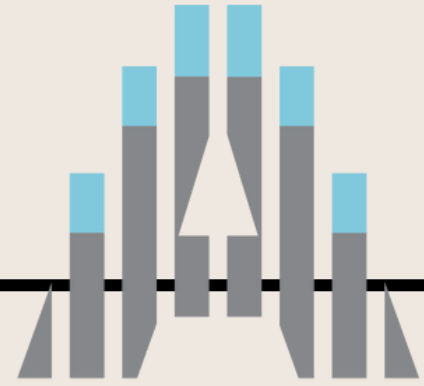
LEVEL 2

Course Content

Level II



Lecture #	Lecture Title	Lecture details
I	Hypothesis testing and inference	p-values type I type II A/B testing Parametric Vs Nonparametric Normality tests Homogeneity tests Hypothesis testing for means Hypothesis testing for ratios



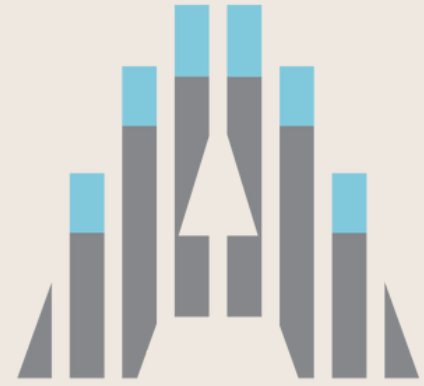
Course Content

Lecture #	Lecture Title	Lecture details
II	<p>Probability, Sampling, and bootstrapping</p> <p>Introduction to Bayesian data analysis</p>	<p>Random numbers Some Probability Distributions Central limit Theorem Variables Relationships Designing experiments Probability distribution Probability laws Relation among different distribution Sampling methods in R Sampling distribution Bootstrap Bayesian concept How it Bayesian analysis works Why Bayesian Analysis? Bayesian inference</p>

Course Content



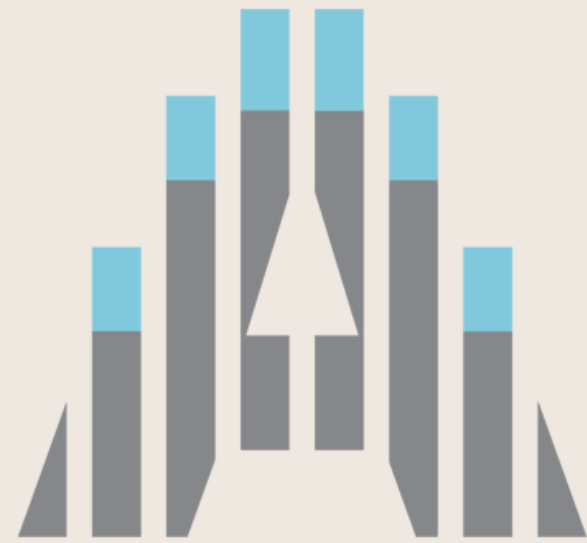
Lecture #	Lecture Title	Lecture details
III	Survival Analysis	Introduction Kaplan Meier Weibull model Cox Model



Course Content

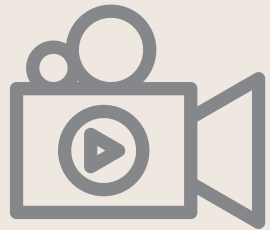
Lecture #	Lecture Title	Lecture details
IV	Factor Analysis	Single and multidimensional Exploratory FA Confirmatory Factor Analysis Improving models

Final Project

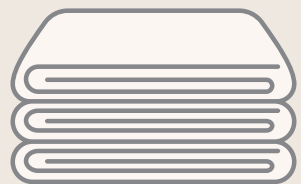


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- **All sessions are recorded .**



- **After each session we send lecture's material and recording link.**



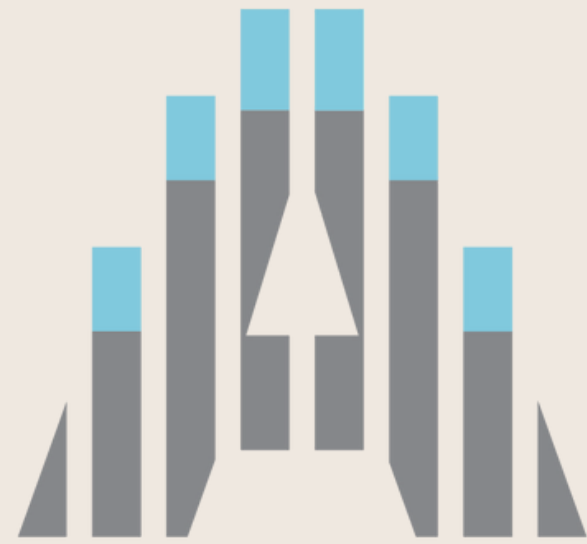
- **You will get a certificate from ArabiStat.**

To Enroll in this Program
You should Know



R

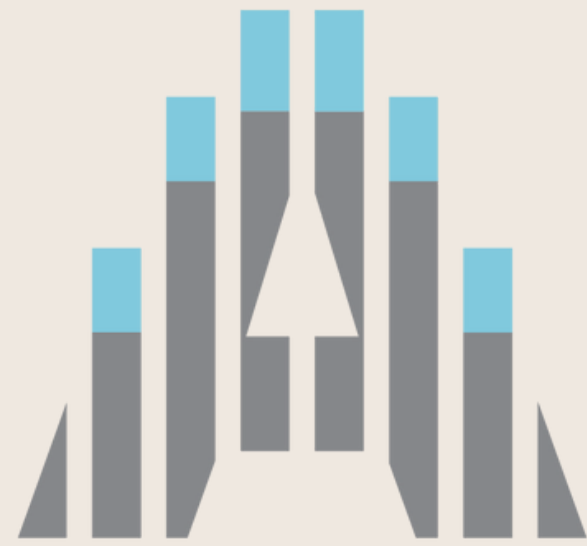
(data types, data structure, conditions
and loops, dplyr, ggplot2)



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Statistical Analysis and Consulting

**If you are NOT a statistician
You are Very Welcome to Learn Statistics
with ArabiStat**



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Statistical Analysis and Consulting

Instructor

Dr. Mariam Metawe'e DataScientist

Education

Statistics

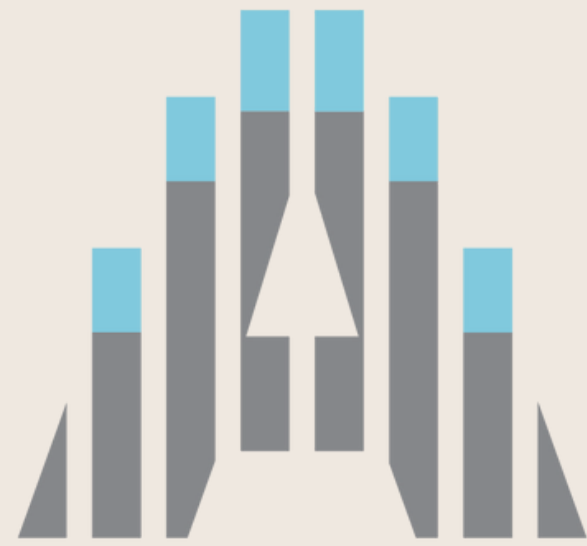
- PhD in statistics (on progress)
- Master degree in Statistics
- Two years diploma in mathematics and statistics

Medicine

- Master degree in Experimental medicine and drug design
- Diploma in Experimental medicine
- Bachelor degree in Veterinary medicine.

Programming

- Machine Learning with python - Best Developer at ElectroPI
- Certified data analysis using python from DataCamp
- R programming in FGSSR



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Statistical Analysis and Consulting

Instructor

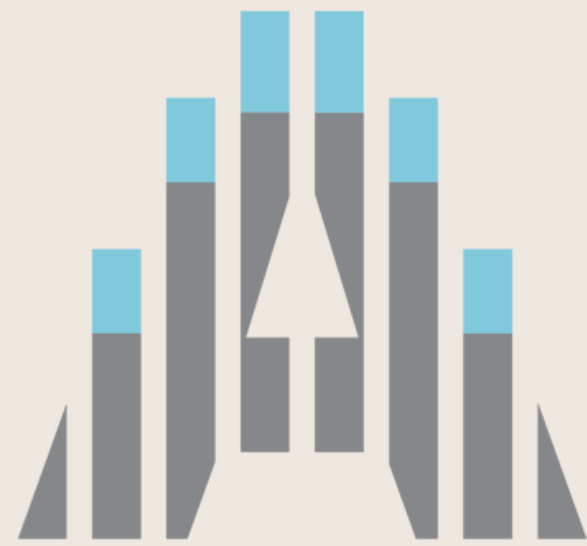
Dr. Mariam Metawe'e DataScientist

About

Academic and Practical experience in Two Majors: Veterinary Medicine and Data Science. Over 10 years experience in data analysis of Biological data, and over 1000 hours teaching DataScience (programming using Python or R, Statistics and Machine Learning).



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ArabiStat

Statistical Analysis and Consulting

ArabiStat combines the power of statistical and mathematical knowledge along with the efficiency of programming.



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big
Thanks!