ArabiStat

Statistical Analysis and Consulting

R

Programming
## LEVEL I

Course Content
Level I

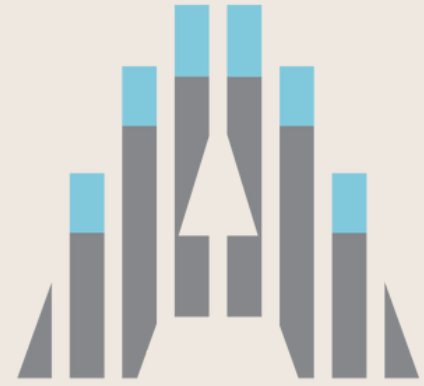| Lecture #	Lecture Title	Lecture details
I	Introduction to Statistics for Beginners R Intro I	**Overview of Statistics** • Types of Data • Describing data in Statistics • Reading Visualization without coding. **Intro to R basics** • Data types • Data structures • 1. Vectors

Course Content

| Lecture #	Lecture Title	Lecture details
II	Overview on statistical tests R Intro **II**	**Statistical tests** • Introduction to Hypothesis Testing • Correlation and Regression • Ethical Considerations in Statistics **Data structures II** • Matrices • Factors • Data Frames • lists
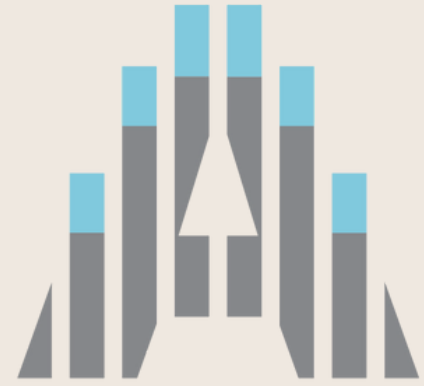
Course Content

Lecture #	Lecture Title	Lecture details
III	Introduction to Programming	• Relational operators • Conditionals • Loops

Course Content

Lecture #	Lecture Title	Lecture details
IV	Handling data frames and visualization	Data wrangling dplyr verbs Grouping and summarizing Data visualization intro (ggplot2)
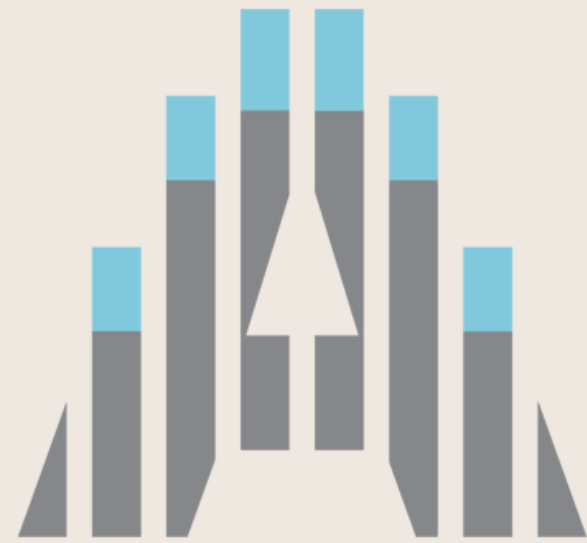
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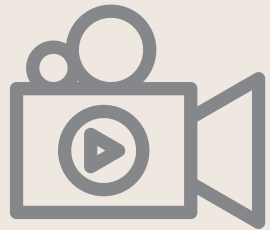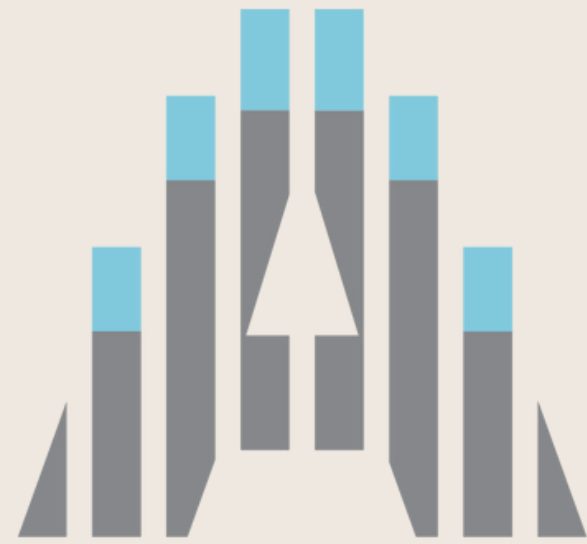
- All sessions are recorded .

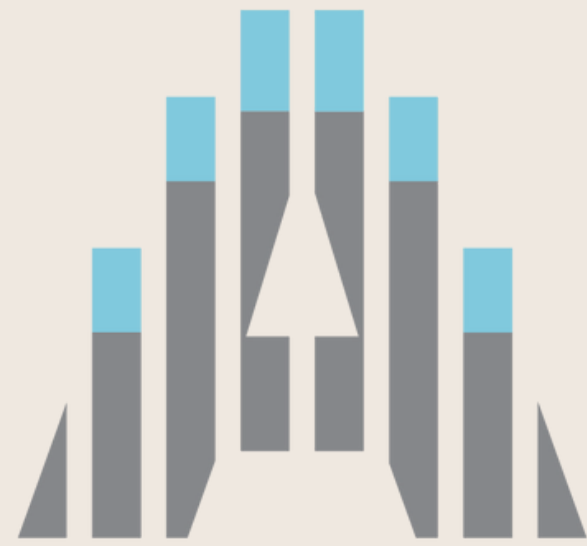- After each session we send lecture's material and recording link.
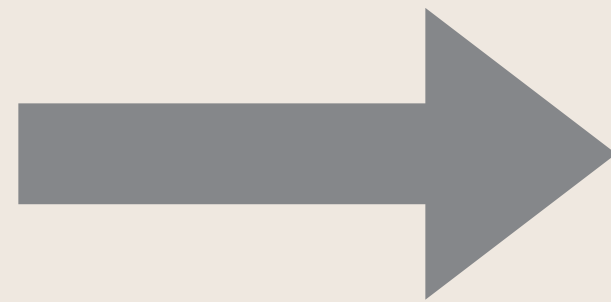
- You will get a certificate from ArabiStat.

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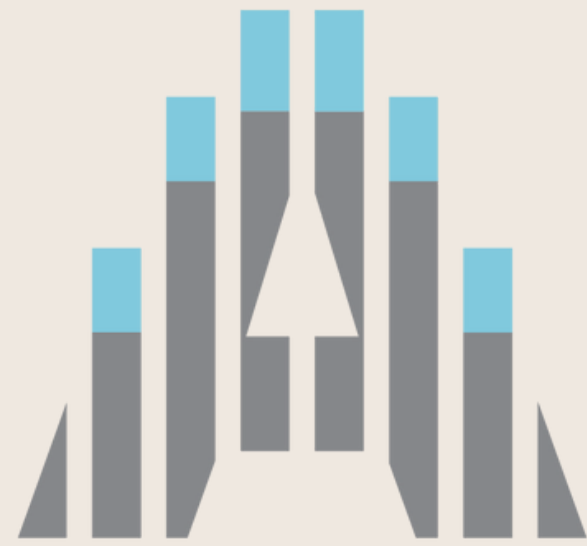You are Very Welcome to Learn Statistics
with ArabiStat

ArabiStat
Statistical Analysis and Consulting

Who Should Enroll in this Program?

→

- Beginners in Statistics
- Non Statisticians that want to apply statistics in there career (Medical , pharmaceutical , IT , Banking, finance, Marketing, and engineering domain.
- Anyone wants to learn R.

Instructor

Dr.Mariam Metawe'e DataScientist

Education

Statistics

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

Programming

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

Medicine

- Master degree in Experimental medicine and drug design
- Diploma in Experimental medicine
- Bachelor degree in Veterinary medicine.
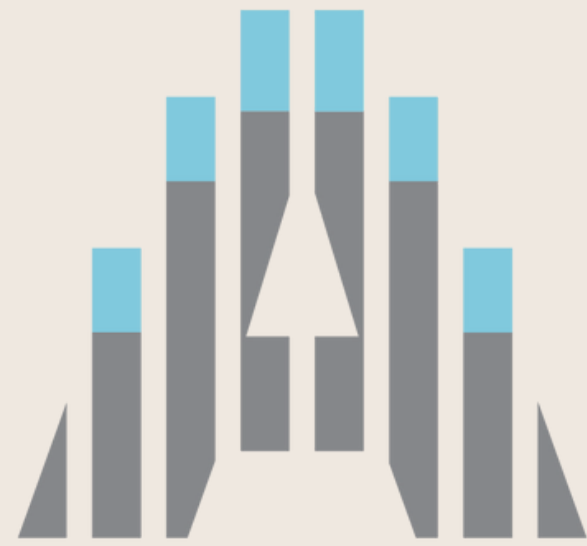
ArabiStat
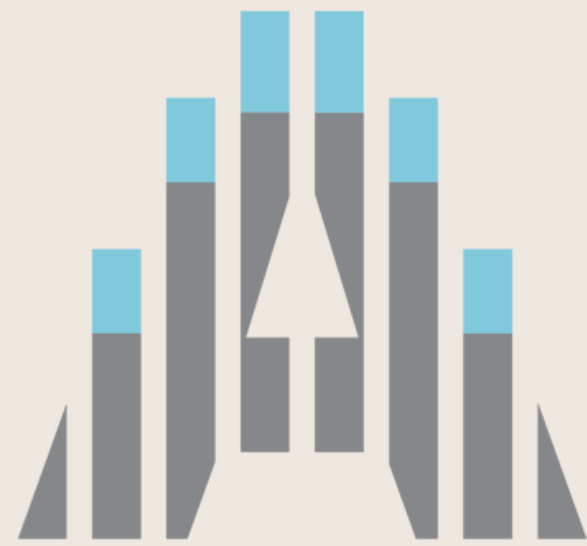## Statistical Analysis and Consulting

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).

https://www.linkedin.com/in/mariam-metawe-e-13864656/

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

ArabiStat

Statistical Analysis and Consulting

big Thanks!