



FisherMan

2nd TRAINING & PROJECT MEETING
Experimental design & multifactorial ANOVA
University of Dar es Salaam
Ike todo lo que veas 13-16 January 2015
Tanzania

Delivered by: Prof. Jose Jacobo Zubcoff (Head of the Marine Sciences and Applied Biology Dept.) and Prof. Aitor Forcada (Marine Sciences and Applied Biology Dept.), University of Alicante.

AGENDA

Project	Capacity building for sustainable Fisheries Management in the Southwest Indian Ocean region
Acronym	FisherMan
EuropeAid ID	EuropeAid/132023/D/ACT/ACPTPS

Objectives: The workshop will provide an opportunity for the project to:

1. Learn how to build a correct experimental design with several factors
2. Acquire the statistical knowledge to analyze the data with ANOVA
3. Apply the knowledge learned in a real world case study using the statistical software R
4. Discuss and agree on next project activities (with special emphasis on Specialisation and Master) as well as responsibilities and deadlines

Expected Results:

- Identify the variables and factors to be considered in a real world case study
- Build the optimal experimental design to test the scientific hypothesis
- Properly manage the statistical software R to perform the analysis
- Workplan for the next 12 months defined in detail



January 13th

TIME	EVENT
8:45-9:00	<i>Welcome by xxx of University of Dar es Salaam</i> <i>Welcome by FISHERMAN project coordinator</i>
9:00-11:00	1 Introduction to analysis of variance (ANOVA) and data requirements
11:00-11:30	COFFEE BREAK
11:30-13:00	1 Introduction to analysis of variance (ANOVA) and data requirements (cont.)
13:00-14:30	LUNCH BREAK
14:30-16:30	Practical works: Introduction to R
16:30-17:00	COFFEE BREAK
17:00-18:30	Practical works: One way ANOVA and data requirements

January 14th

TIME	EVENT
9:00-11:00	2 Fixed factors
11:00-11:30	COFFEE BREAK
11:30-13:00	3 Random factors
13:00-14:30	LUNCH BREAK
14:30-16:30	Practical works: Two way ANOVA
16:30-17:00	COFFEE BREAK
17:00-18:30	Practical works: Two way ANOVA (cont.)

January 15th

TIME	EVENT
9:00-11:00	4 Nested Factors
11:00-11:30	COFFEE BREAK
11:30-13:00	5 Generalized factorial designs
13:00-14:30	LUNCH BREAK
14:30-16:30	Practical works: Multifactorial ANOVA

16:30-17:00	COFFEE BREAK
17:00-18:30	Practical works: Multifactorial ANOVA (cont.)

January 16th

TIME	EVENT
8:30-10:30	Generalized factorial designs (cont.)
10:30-10:45	COFFEE BREAK
10:45-12:15	Practical works: Multifactorial ANOVA (cont.)
12:15-13:00	Project meeting <ul style="list-style-type: none"> • General status of the project activities (UA)
13:00-14:30	LUNCH BREAK
14:30-16:30	Project meeting <ul style="list-style-type: none"> • Activities per university with special emphasis on Specialisation and Master (each beneficiary, 20 min each)
16:30-17:00	COFFEE BREAK
17:00-18:30	Project meeting <ul style="list-style-type: none"> • Agreement of next deadlines and responsibilities