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بروجاكس للتدريب والتطوير  
Projacs Training and Development

## Survey Design and Data Analysis

تصميم الدراسات الإحصائية وتحليل المعلومات

23 – 27 August 2020

Muscat / Sultanate of Oman

A Member of:



PROJACS ACADEMY



ProjacsAcademy.com



## Introduction

Survey designing and analysis has been increasingly utilized to identify many relations in day-to-day life. Analyzing the obtained responses efficiently is a main key to make effective decision, and to figure out the real ways to solve a certain problem. In addition to that, studying the behavior of some variables can affect the process of decision making. Moreover, checking these relations and making inference about it can facilitate the process of forecasting. As a result of that, finding the relationship between inputs and outputs of problem of study will be possible.

## Objectives

By the end of this course practitioners shall learn to:

The main aim of the program is to elaborate several statistical techniques that are highly related to survey design and analysis.

## Course Outline

### **DAY 1:**

- Survey design, testing validity and reliability of design.
- Descriptive statistics, one & two-way tabulation and related graphical presentation

### **DAY 2:**

- Correlation analysis for qualitative and quantitative variables

### **DAY 3:**

- Hypothesis testing and confidence interval for the parameters (one, two and more than two populations/groups)

### **DAY 4:**

- Constructing models through regression analysis and handling its problems.

### **DAY 5:**

- Regression with dummy variables (whether they are in the input or output variables)

## Training Method

- Pre-assessment
- Live group instruction
- Use of real-world examples, case studies and exercises
- Interactive participation and discussion
- Power point presentation, LCD and flip chart
- Group activities and tests
- Each participant receives a binder containing a copy of the presentation
- slides and handouts
- Post-assessment

## Program Support

This program is supported by interactive discussions, role-play, and case studies and highlight the techniques available to the participants.

## Schedule

**The course agenda will be as follows:**

- |                     |                  |
|---------------------|------------------|
| • Technical Session | 08.30-10.00 am   |
| • Coffee Break      | 10.00-10.15 am   |
| • Technical Session | 10.15-12.15 noon |
| • Coffee Break      | 12.15-12.45 pm   |
| • Technical Session | 12.45-02.30 pm   |
| • Course Ends       | 02.30 pm         |

## Course Fees\*

- **2,950USD**  
*\*VAT is Excluded If Applicable*