
Adaptive Processes Consulting

Course Outline – Statistics for Project Managers

Course Code	Statistics for Project Managers
Course Duration	1 day
Pre-requisite	Project Management Concepts Basic statistical concepts
Course Description	
▪ This course will enable participants to understand and apply statistical concepts in their projects	

Learning Outcome
▪ Understanding statistical concepts
▪ Understanding statistical process control
▪ Application of statistical concepts to software project management

Course Outline

- 1) Introduction to Statistical concepts** **1 hour**
- Evolution of statistical concepts
 - Measures of central tendencies
 - Understanding statistical distributions
 - Inferencing based on statistical analysis
- 2) 7 Basic Statistical Tools** **2 hours**
- Introduction to 7 Basic Statistical Tools
 - Applying basic statistical tools to SW projects
- 3) Root Cause Analysis** **1 Hour**
- Why RCA?
 - Methods of conducting RCA
 - Practical example
- 4) Statistical Process Control** **2 hours**
- Introduction to SPC
 - Using SPC to identifying outliers
 - Applying SPC to SW projects
- 5) Estimation Model Building** **2 Hours**
- Regression analysis
 - Building estimation models
 - Practical example
 - In class exercise