COURSE TABLE OF CONTENTS

Applied Statistics

OEM: Koenig Original • Duration: 3 Days (18 hrs) • Code: SFDS-01

COURSE MODULES & TOPICS

Module 1: Descriptive Statistics

- Measures of central tendency
- Measures of dispersion
- Skewness
- Kurtosis

Module 2: Data Visualization

- Histograms
- Box plots
- Scatter plots

Module 3: Probability Distributions

- Normal distribution
- Binomial distribution
- Poisson distribution

Module 4: Sampling Distributions

- t-distribution
- Central Limit Theorem

Module 5: Probability Plotting

- Probability plots

Module 6: Hypothesis Testing: Normality and Location

- Normality tests
- t-tests
- Analysis of Variance (ANOVA)

Module 7: Hypothesis Testing: Dispersion and Bivariate Data

- F-Test
- Homogeneity of Variance (HOV)
- Correlation
- Regression

Module 8: Hypothesis Testing: Chi-squared

- Chi-squared test

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