Sixth Edition

APPLIED BUSINESS STATISTICS

Making Better Business Decisions

KEN BLACK

International Student Version

BRIEF CONTENTS

UNITI	INTRODUCTION
1	What are Statistics 2
2	Visualizing the Data 16
3	Describing Data through Statistics 46
4	Introduction to Basic Probability 92
UNIT II	DISTRIBUTIONS AND SAMPLING
5	Discrete Probability Distributions 136
6	Continuous Probability Distributions 178
7	Distributions of the Sample Mean and Sample Proportion and
	Sampling Techniques 216
UNIT III	MAKING INFERENCES ABOUT POPULATION
	PARAMETERS
8	
9	Testing Hypotheses about Single Population
	Parameters 288
10	Analyzing the Differences in Two Populations 342
11	Analysis of Variance 402
UNIT IV	REGRESSION ANALYSIS AND FORECASTING
12	Introduction to Regression Analysis and Correlation 464
13	
14	
15	Forecasting 588
UNIT V	NONPARAMETRIC STATISTICS AND QUALITY
16	
17	
18	Quality 720
	APPENDICES
A	
В	
	Problems 805
	GLOSSARY 815
	INDEX 825
	The following materials are available at www.wiley.com/go/global/black
19	Decision Analysis C19-2
Supplement 1	Summation Notation S1-1
Supplement 2	Perivation of Simple Regression Formulas for Slope

and y Intercept S2-1 **Supplement 3** Advanced Exponential Smoothing S3-1