

This Instructor's Solutions Manual includes worked out solutions to all exercises in the exercise sets.

## TABLE OF CONTENTS

<b>Chapter 2</b> Data	1
<b>Chapter 3</b> Describing Categorical Data	4
<b>Chapter 4</b> Describing Numerical Data	17
<b>Chapter 5</b> Association between Categorical Variables	27
<b>Chapter 6</b> Association between Quantitative Variables	37
<b>Chapter 7</b> Probability	51
<b>Chapter 8</b> Conditional Probability	57
<b>Chapter 9</b> Random Variables	63
<b>Chapter 10</b> Association between Random Variables	71
<b>Chapter 11</b> Probability Models for Counts	77
<b>Chapter 12</b> The Normal Probability Model	82
<b>Chapter 13</b> Samples and Surveys	90
<b>Chapter 14</b> Sampling Variation and Quality	94
<b>Chapter 15</b> Confidence Intervals	102
<b>Chapter 16</b> Statistical Tests	109
<b>Chapter 17</b> Alternative Approaches to Inference	116
<b>Chapter 18</b> Comparison	119
<b>Chapter 19</b> Linear Patterns	125
<b>Chapter 20</b> Curved Patterns	136
<b>Chapter 21</b> The Simple Regression Model	149
<b>Chapter 22</b> Regression Diagnostics	166
<b>Chapter 23</b> Multiple Regression	177
<b>Chapter 24</b> Building Regression Models	196
<b>Chapter 25</b> Categorical Explanatory Variables	210
<b>Chapter 26</b> Analysis of Variance	232
<b>Chapter 27</b> Time Series	246
<b>Appendix:</b> Statistics in Action	268