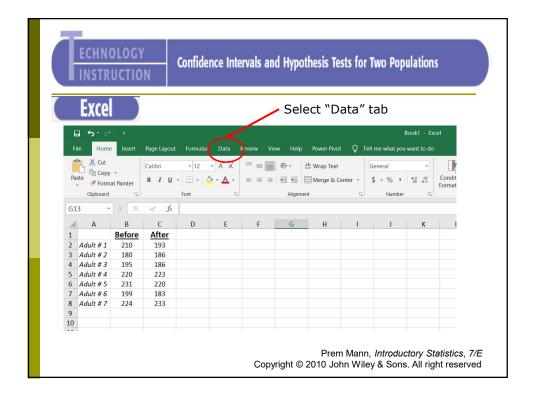
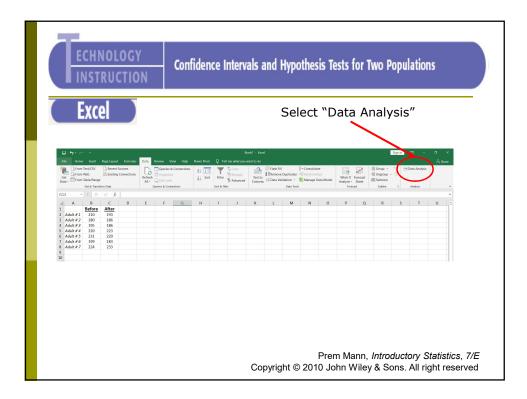
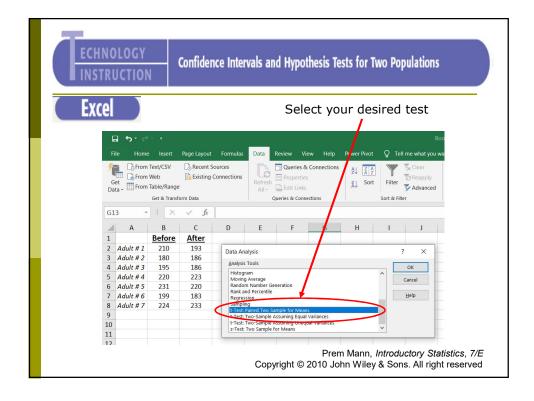
ECHNOLOGY INSTRUCTION	Confidence Interva	ls and Hy	pothesis `	Tests for Two Populations			
Example 10-12							
	-						
		<u>Before</u>	<u>After</u>				
	Adult # 1	210	193				
	Adult # 2	180	186				
	Adult # 3	195	186				
	Adult # 4	220	223				
	Adult # 5	231	220				
	Adult # 6	199	183				
	Adult # 7	224	233	+			
	Upload the pa	aired d	ata in	Excel			
		Copyright		em Mann, <i>Introductory Statistics, 7/E</i> John Wiley & Sons. All right reserved			







ECHNOLOGY	Confidence Intervals and Hypothesis Tests for Two Populations
Excel	Select your paired data
My data   A   B     has   1   Before     has   2   Adult # 1   210     labels   3   Adult # 2   180     Adult # 5   231   7   Adult # 7   223     6   Adult # 7   223   6   Adult # 7   224   9   9     α   10   11   12   13   10   12   13   13   10   10   10   10   10   11   12   13   13   10   10   10   10   11   12   13   10   10   10   10   11   12   13   13   10   10   10   10   10   11   12   13   13   10   10   10   11   12   13   10   10   10   10   10   10   11   12   13   10   10   10   10   10   10   10   10   10	
14	Prem Mann, Introductory Statistics, 7/E Copyright © 2010 John Wiley & Sons. All right reserved

ECHNOLOGY INSTRUCTION Confidence Intervals and Hypothesis Tests for Two Populations							
<b>Excel</b> Test Statistic: observed value of <i>t</i>							
t-Test: Paired Two Sample for Means							
	Before After Critical value of t						
Mean	208.428 714 203.4285714 of a one tailed						
Variance	327.6190476 444.2857143 (Left-tailed or						
Observations	7 7 Right tailed) test						
Pearson Correlation	0.859100448						
Hypothesized Mean Difference	0						
df	6						
t Stat	1.226498265 Critical value of t						
P(T<=t) one-tail	0.13297784 of a Two-tailed						
t Critical one-tail	1.943180281 test						
P(T<=t) two-tail	0.26595568						
t Critical two-tail	2.446911851						
Prem Mann, <i>Introductory Statistics</i> , 7/E Copyright © 2010 John Wiley & Sons. All right reserved							

ECHNOLOGY Confidence Intervals and Hypothesis Tests for Two Populations   INSTRUCTION Excel						
t-Test: Paired Two Sample for Means			-			
	Before	After	<i>p</i> -value of a one			
Mean	208.4285714		tailed (Left-tailed			
Variance	327.6190476	444.2857143	or Right tailed)			
Observations	7	7	test			
Pearson Correlation	0.859160448					
Hypothesized Mean Difference	0					
df	6					
t Stat	1.226498265		<i>p</i> -value of <i>t</i> of a			
P(T<=t) one-tail	0.13297784	≯	Two-tailed test			
t Critical one-tail	1.943180281					
P(T<=t) two-tail	0.26595568					
t Critical two-tail	2.446911851					
Prem Mann, <i>Introductory Statistics, 7/E</i> Copyright © 2010 John Wiley & Sons. All right reserved						