**Introduction to Statistics and Data Analysis Using Stata: From Research Design to Final Report**

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**Short Homework Answer Key for the Advanced Chapters**

**Chapter 7**

1. Z=-2
2. Z=2.14
3. Standard error of the mean = 2.56

**Chapter 8**

1) t = 3.6

2) Lower confidence interval number = 21.31

1. t = -2.2e+02

**Chapter 9**

1) t=2, Confidence interval is -0.24 to 16.24

2) t=-23.7692. d = -0.23

3) t=1.5978

**Chapter 10**

1) F = 0.68

2) F = 2.09

3) F = 1.7

4)F = 50.44

**Chapter 11**

1. Chi-square = 45.7378
2. Chi-square = 45.59
3. Chi-square = 7.3438

**Chapter 12**

1)

R-squared = 0.4847 and

R-squared = .4805

1b) 120

**Chapter 14**

1) Pseudo R2 = 0.0762