**Name:** …………………………………………………. **Date: …………………..**

**SCORE: ……………………………………………….**

**Exercise 1: Descriptive Statistics and Confidence Intervals**

Use the GSS06 dataset and answer the following questions:

1. For the variable **‘adults’,** indicate the following values:

Mean ………………………………

80% Confidence Interval ………………………………… to …………………………………

95% Confidence Interval ………………………………… to ……………………………….

99% Confidence Interval …………………………………. to ……………………………...

What observations can you make?

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Repeat question # 1, but this time split the database by SEX and compare males to females.

**Mean**  Females: ………………………………..

Males: ………………………………..

**80% Confidence Interval** Females: ………………………………… to ……………………………..

Males: ………………………………….to ……………………………

**95% Confidence Interval** Females: ………………………………… to ……………………………….

Males: ………………………………… to ……………………………….

**99% Confidence Interval** Females: …………………………………. to ……………………………...

Males: …………………………………. to ……………………………….

What observations can you make?

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

**Exercise 2: Descriptive Statistics and Confidence Intervals**

Use the GSS16 dataset and answer the following questions:

1. For the variable **‘adults’,** indicate the following values:

Mean ………………………………

80% Confidence Interval ………………………………… to …………………………………

95% Confidence Interval ………………………………… to ……………………………….

99% Confidence Interval …………………………………. to ……………………………...

What observations can you make?

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………

Repeat question # 1, but this time split the database by SEX and compare males to females.

**Mean**  Females: ………………………………..

Males: ………………………………..

**80% Confidence Interval** Females: ………………………………… to ……………………………..

Males: ………………………………….to ……………………………

**95% Confidence Interval** Females: ………………………………… to ……………………………….

Males: ………………………………… to ……………………………….

**99% Confidence Interval** Females: …………………………………. to ……………………………...

Males: …………………………………. to ……………………………….

What observations can you make?

………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………………