

## Project # 2

Date: \_\_\_\_\_ Section \_\_\_\_\_

Name \_\_\_\_\_

Sample data for 18 different types of Fast-food

Use the given confidence level      **95 %**      **90 %**      **99 %**      **95 %**      **90 %**

Product	Type	Price	Total Fat	Saturated Fat	Calories	Sodium
Wendy's Classic Single with Everything	Burger	2.09	19	7	410	920
Wendy's Big Bacon Classic	Burger	2.79	31	12	580	1500
McDonald's Big Mac	Burger	2.24	34	11	590	1310
Hardee's Famous Star	Burger	1.49	35	10	570	860
BK Bacon Double Cheeseburger	Burger	<b>2.59</b>	<b>39</b>	<b>19</b>	<b>640</b>	<b>1180</b>
Burger King Whopper	Burger	2.34	39	12	680	940
Hardee's All-Star (bacon)	Burger	2.29	43	14	660	1260
Wendy's Grilled Chicken Fillet	Chicken	2.99	7	1.5	300	740
Chick-fil-A Chicken (breaded)	Chicken	2.39	9	2	290	870
KFC Tender Roast	Chicken	<b>2.99</b>	<b>15</b>	<b>3</b>	<b>350</b>	<b>880</b>
Arby's Grilled Chicken Deluxe	Chicken	2.99	16	4	420	930
Wendy's Chicken Breast Fillet (breaded)	Chicken	2.89	16	3	430	750
McDonald's Chicken McGrill	Chicken	2.94	18	3	450	970
KFC Original Recipe (breaded)	Chicken	2.99	22	5	450	940
Burger King BK Broiler	Chicken	<b>2.89</b>	<b>25</b>	<b>5</b>	<b>550</b>	<b>1110</b>
McDonald's Crispy Chicken (breaded)	Chicken	2.79	27	4.5	550	1180
Boston Market Chicken Carver	Chicken	4.49	33	12	750	1860
Burger King Chicken Sandwich (breaded)	Chicken	2.94	39	8	660	1330
<b>Mean</b> = $\bar{x}$ = ?						
<b>St. Dev</b> = $s$ = ?						
<b>t-value</b> (from table)						
<b>Margin of Error (E)</b>						
<b>Upper Bound for <math>\mu</math></b> = $\bar{x} + E$						
<b>Lower Bound for <math>\mu</math></b> = $\bar{x} - E$						

Explain your answers for confidence interval for **total fat** and **saturated fat**.

1)

2)