unit study guide data and graphs Name: \_\_\_\_\_\_ Date: Class:



## AMODE! Topic 2: Line Plots and Stem-and-Leaf Plots Line plots are used to show (frequency) of data along a # line Find Medium, Mode, stem-and-leaf plots are used to show data arranged in Dider 136 t 1. Draw a line plot from the frequency table below. 2. Create a stem-and-leaf plot from the data below. Daily High Temperatures in January in °F: 43, 46, 52, 61, 43, 56, 45, 42, 41, 40, 52, 23, 51 Number 1 2 4 5 3 6 23 340123356 Key: 23=23 2 2 Frequency 4 6 1 4 5 1126







Topic 6: Scatter Plots									
Scatter plots are used to show a relationship between 2 data sets									
1.	Create a scatter graph from the data. Answer the questions below.							pairs in a coordinate place	
							50 1		
Hours	3	5	4	8	2				
Tip (\$)	16	33	27	48	11		40	8	
							<b>90</b> -		
What kind of correlation does the data show?									
positive!								$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
How mu	Hours								
	$\approx$	\$	35-	40					



Topic 8: Populations and Samples									
Population: the entire group being surveyed or studied									
Sample: 1 part of the population being studied									
<ol> <li>Customers at the first 5 tables at a vegetarian restaurant are asked if they prefer meat or vegetarian dishes.</li> </ol>	<ol> <li>University of Georgia Biology students with last names that start with A, M, and Y are asked what their favorite academic subject is.</li> </ol>								
Identify the: Population: Oustomers at a vegetarian restaurant Sample: Oustomers at the 1st 5 tables- Possible Bias: if they are leating at a vegetarian restaurant, they more than likely don't eat a biof Meat Identify the sampling method: Sistematic	Identify the: Population: UGA biology students Sample: UGA Biology students with last names that start Possible Bias: Inay are biology Majors, with A,M,V Mey / probabling enjoy S Cenie; Identify the sampling method: SVSEMATIC								
/									

A teview sampling Methody

To prepare for your test:

1) Review your notes, practice, and quizzes. 2) Review using IXL practice. 3) Review when each type of graph is best used.