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To summarize the numerical data set, we can use arithmetic mean, median, or mode. In this application, we'll learn a little better about the arithmetic mean and the average data set. Arithmetic or average represents fair distribution, balance, fairness. This is the value that data would have had if it were all the same. Or, moreover, a value that would correspond to each of the distribution data if the total amount was divided equally. If all data is sorted from the lowest to the highest, the median is the value that is central. If the amount of data is uniform, the median is the arithmetic average of two plants. Mode is the value that is repeated most or, however, the one with the highest frequency. Each dot (blue circles) is one of the data in the statistical distribution, which consists of 5 data. Points can move left and right along the segment in which they are located. Thus, each given can take a value from 0 to 10, inclusive. One of the circles, the one that is in the middle of the other, which stands out by the yellow center, represents the median. The arithmetic position for distribution values is also specified. It is a matter of moving points so that the conditions proposed in each of the issues are met in each case. To change the value of one of the data all you have to do is move it left or right as you want to reduce or increase, respectively, the value it has. When values change, the arithmetic average and average distribution are automatically recalculated. If you see this message, it means that we are having trouble downloading external resources on our site. If you're behind a web page filter, please make sure the domains are kastatic.org, kasandbox.org, kastatic.org, kasandbox.org unlocked. Average, median and mode are basic and easy-to-calculate statistical tools, but sometimes tend to be confused. Today we will know how to calculate each of these three values. What is the

average? The average, also known as the average, is a value derived by dividing the number of clusters by the number of numbers. Some of the characteristics of the average are: Consider all estimates of Formula Numerator number of values When there are extreme estimates, it does not have an accurate representation of the average example in The following shoe numbers are: 34, 39, 36, 35, 37, 40, 36, 38, 36, 38 and 41. What is the fashion value of this model? SolutionObserving numbers sold we noticed that the number 36 was the one that presented the highest frequency (3 pairs), so the fashion equals: Mo No 36MediannaA Median (Md) is the central value of the data set. To find the average, you need to place the values in the ascendant or downward order. When the number of set items is even, the median is below the average of the two central values. Thus, these values are summed up and divided into two parts. Examples1) In school, a physical education teacher noted the growth of the group of students. While the measured values were: 1.54 m; 1.67 m, 1.50 m; 1.65 m; 1.75 m; 1.69 m; 1.60 m; 1.55 m and 1.78 m, what is the average height of students? SolutionFirst we have to put the values in order. In this case, we will put it in ascending order. So the dataset will be:1.50; 1.54; 1.55; 1.60; 1.65; 1.67; 1.69; 1.75; 1.78Ka the set consists of 9 elements, which is the odd number, the median will be equal to the 5th element, i.e.: Md 1.65 m2) Calculate the average of the next sample of data: (32, 27, 15, 44, 15, 32). SolutionFirst we have to put the data in order, so that we have:15, 15, 27, 32, 32, 44Who this sample is formed from 6 elements, which is an equal number, the median will be equal to the average on the central elements, that is: To learn more read also: Resolved1 exercises. (BB 2013 - Carlos Chagas Foundation). On the first four working days of the week, the bank branch manager served 19, 15, 17 and 21 clients. On the fifth business day of this week, this manager served n customers. If in the five working days of this week the average daily number of customers served by this manager was 19 people, the median was 21. b) 19. c) 18. d) 20. e) 23. See the answer Although we already know on average, we first need to know how many customers were served on the fifth business day. So: To find the median, we have to put values in the ascendant order, we have: 15, 17, 19, 21, 23. Thus, the median is 19. Alternative: b) 19. 2. (ENEM 2010 - Issue 175 - Pink Proof). The following table shows the performance of the football team in the last league. The left column shows the number of goals scored, and the right column shows how many games the team has scored so many goals. Goals Scored Number of matches 0 5 1 3 2 3 3 3 2 2 2 7 1 If X, Y and q respectively are average, median and mod of this distribution, thena) X and Y b) For the calculation of the average we have to add the total number of goals and divide by the number of matches. The total number of heads will be found media mediana moda y rango. media mediana moda rango. media mediana moda excel. media mediana moda datos agrupados. media mediana moda calculadora. media mediana moda y rango ejercicios. media mediana moda varianza desviacion estandar. media mediana moda y promedio

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