

# Warm-Up 3

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## 1 Frequencies, Relative Frequencies

The data in Tab. 1 refer to the subjects' assessment on a scale of 1 to 10 of the hotness of their favorite chili variety.

1. Suppose you have a dataset given by Tab. 1. Determine each of the following:
  - The frequency and relative frequency of “serrano” as the favorite chili of the subject.
  - The frequency and relative frequency of haba ero as the favorite chili of the subject.
  - What is the mean “hotness” rating of all the chiles?
  - What is the mean “hotness” rating of just the jalape os?

Person	Chili	Hotness rating
Juan	Serrano	5
Gilberto	Jalape�o	4
Catherine	Arbol	7
Jordan	Serrano	7
Chris	Pablano	2
Rosa	Arbol	8
William	Jalape�o	9
Lupe	Haba�ero	9
Jennifer	Serrano	8
Jasmine	Arbol	6
Jose	Serrano	6
Roberto	Serrano	10
Kevin	Jalape�o	4
Sarah	Jalape�o	9

Table 1: A tabulation of the perceived hotness on a scale of 1 to 10 for subject's favorite chili. *I don't know what you call those yellow ones...Guerrero? Just yellow?*

2. **Draw a histogram** of the hotness rating of all the chiles below. Choose simple bins: 1, 2, 3, ... 10. For each bin on the x-axis, assign a bar that has the same height as the number of times that bin value appears in the data set.