

Video: “Array statistics in MATLAB” (2:06 min)

(00:00)

Now I'll define the monthly and yearly averages. I'll start by defining a variable called `measlesMonthAver`. It'll be the mean of measles along dimension 1. Similarly, `measlesYearAver` will be the mean of measles along dimension 2. I save the cell and execute, and my two variables appear in the workspace. `measlesmonthAver` has 12 values in a row. I'm going to use a trick with repeated formats so I don't have to give twelve `%g`'s to get an output.

(01:04)

I'll start with an `fprintf` that outputs an informative message. My next `fprintf` will use the repeated format. I'll use a `%g` followed by a blank so the values won't run together. I'll give the whole array as an argument. My final `fprintf` finishes up the message, including a new line character (`\n`). I execute the cell, and the entire array is printed along with an informative message.