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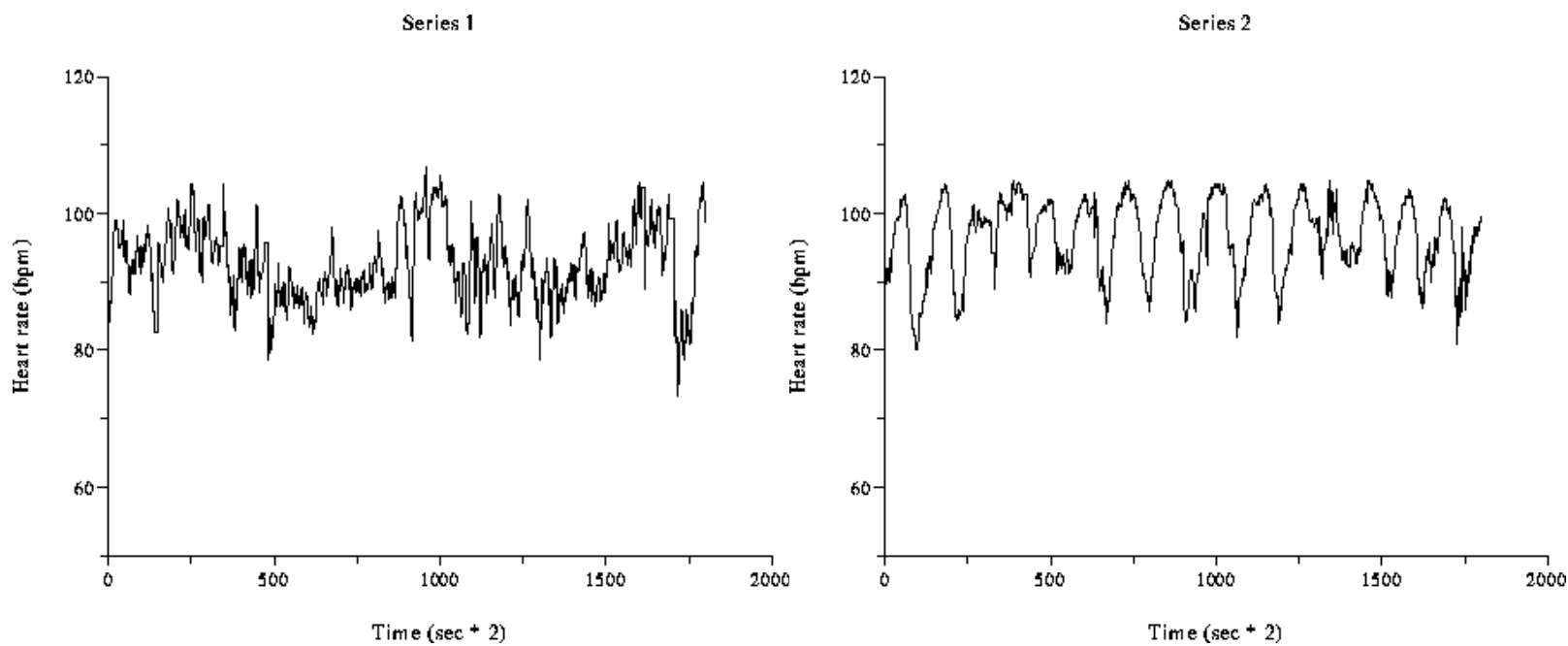
Exercise 5

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Exercise 5

3/3 points (graded)

You are given two data files. Each file contains 1800 data points measuring the heart rate (in beats per minute, every 0.5 seconds) of a subject performing comparable activities for the duration of 15 minutes: [hr1.txt](#) and [hr2.txt](#). The data is plotted in the figures below. (note that the data is taken from the [MIT-BIH Database](#))



Using a sample size of 250, decide whether the following methods of drawing samples will yield samples where the examples are independent of each other.

1. Using `random.sample`

☒ Examples are independent in hr1 sample.

☒ Examples are independent in hr2 sample.



2. Getting a random number between 1 and 1800, 250 times.

☐ Examples are independent in hr1 sample.

☐ Examples are independent in hr2 sample.

☒ Neither h1 nor h2 give independent examples.



3. Starting at the first example and going until the 500th example.

☐ Examples are independent in hr1 sample.

☐ Examples are independent in hr2 sample.

☒ Neither h1 nor h2 give independent examples.



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Question 2 - not sure I understand why it's independent for neither

1

Perhaps a little late, but this question bugged me... Especially (and maybe this has to do with non-native English) the "selection with...



Q2 One of the samples would be independent of the other depending which was drawn first



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Calculator