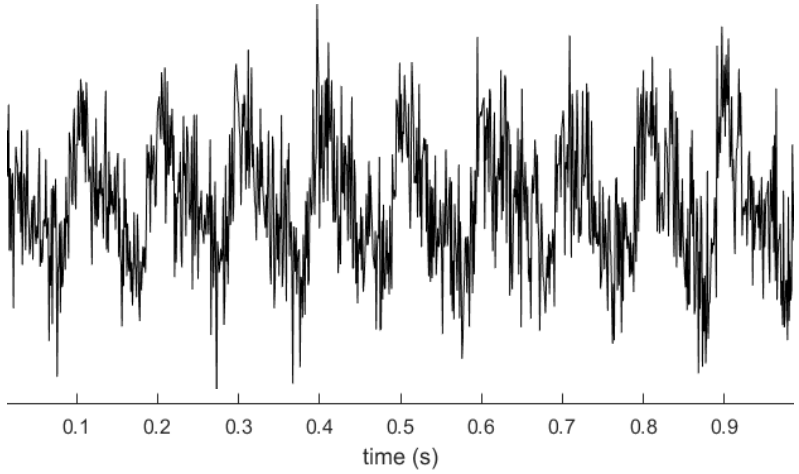
# Assignment 3

1. Read the suggested literature, “materials/L02_ScipyLectures.pdf”.
2. Generate a signal as a sum of periodic functions (10 and 20 Hz) and 1/f noise (similarly to **Slide 3**). Plot the time series, histogram, approximated/fitted probability density function and power spectrum.
3. Write a short report about your script (3 pages max) including figures.
4. Write a brief feedback (0.5 page max) by answering the questions: Was the lecture material difficult (why)? Was it unclear (why)? Was it interesting (why)? Was it relevant (why)?

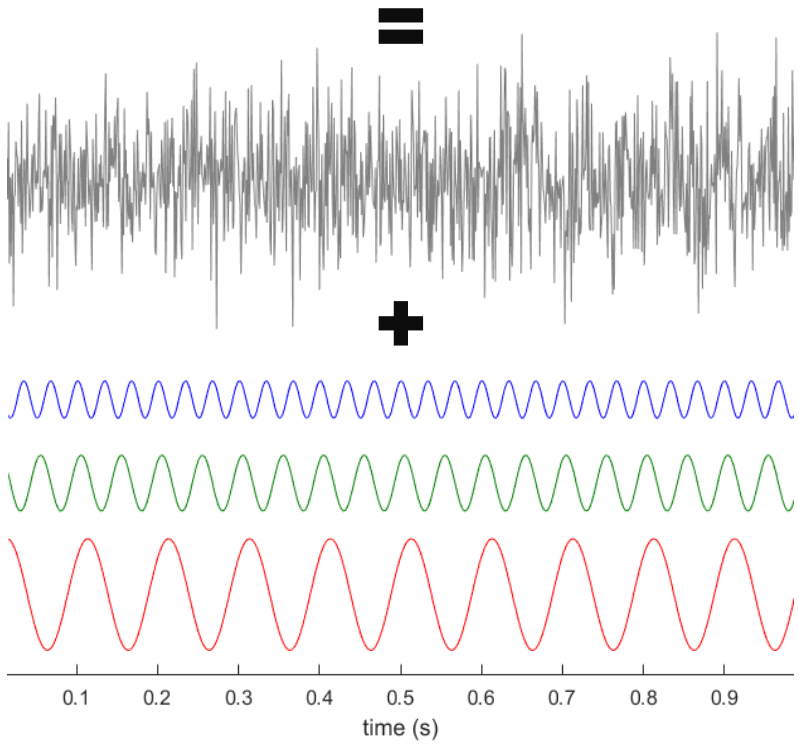
Save the report and feedback to a file (A03_your_surname.pdf) and upload it together with your Python script (A03_your_surname.py) to the assignment webpage.

data

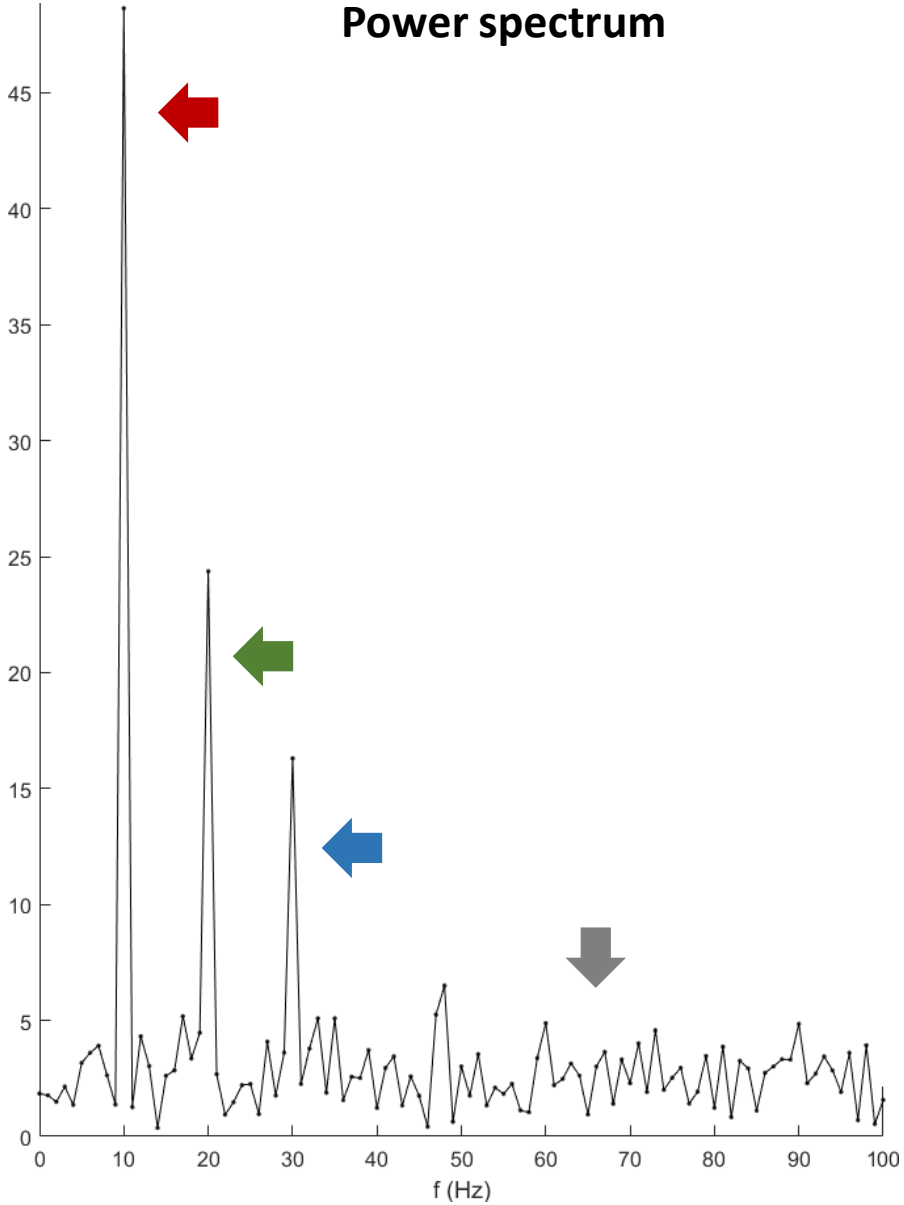



noise

signal




Power spectrum

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