Tool Call and Self-Correction

User

This is a core step in the rPPG mission. If the face chrominance changes weakly at the sampling frequency of 30Hz, please call python to effectively calculate the person's heart rate. This signal length is 256, the specific value is: [105.04 111.48 108 102.52 103.72]. Please try to give detailed steps and visualizations, this is important to me.

Let's start by loading the data and applying the necessary signal processing techniques.



Error Analyzing...

There seems to be a recurring issue with ...

Error Analyzing...

It seems the issue persists due ...

Finished Analyzing

Converting this peak frequency to beats per minute (BPM) gives us a heart rate of approximately 70.31 BPM...

