Resolved Unresolved @106_f2

Actions

Nandini Bhat 1 week ago

I'm really pleased with the Fourier Analysis project option. I was part of an EEG lab elective during my Master's, where we did event-related potential experiments for cognitive neuroscience. We had a section on Fourier Analysis in our textbook but skipped it- being psych students, we needed more of a math background to fully understand it, and we had MATLAB tools to help us out anyway. Super excited to finally get the chance to explore it now. I feel it's important to understand the signal processing aspects alongside the neuroscience-y ones, especially if I want to be involved in the tech side of things.

~ An instructor (Elisabeth stade) thinks this is a good comment ~

helpful! 1

Reply to this followup discussion

Resolved Unresolved @119_f3 Actions

Nandini Bhat 3 days ago

I'm going to be doing the Fourier Analysis project. It does seem a little daunting but the material that's going to be covered is something I've always been interested in. I'm currently brushing up on trigonometry- since it's a big part of this guided project, I feel like some revision is in order. I do have to make sure that my revision doesn't delay getting to the actual project, though. I've got these videos saved to watch after I finish the textbook reading (3Blue1Brown of course):

https://www.youtube.com/watch?v=spUNpyF58BY&t=478s

https://www.youtube.com/watch?v=r6sGWTCMz2k&t=1093s

My first steps will be to go through the Chapter notes on the power spectrum. After this, I'll watch the videos I mentioned above, and get started on the Handmade Fourier Transforms Activity. I feel like that'll give me a good foundation for starting on the actual project!

helpful! | 0

Elisabeth stade 2 hours ago

Great plan!

good comment | 0