Stellar Flares README File

As discussed, for this project, you will work with data from the TESS Mission, focusing on the detection of stellar flares. We have provided three *csv* files containing data for three stars (TIC 0131799991, TIC 031381302, and TIC 129646813). You may choose to develop a model and analyze results using one of these stars or all three. However, a more robust model should ideally produce reliable results for multiple stars. If you wish to explore additional TESS data, you're encouraged to do so. For this, consider using the *lightkurve* Python package and refer to NASA's Guide to TESS DATA (the first five or six tutorials should suffice).

As mentioned in class, flare detection presents several challenges that you'll need to address. This task is typically performed using the brightness time series (in this case, the *PDCSAP Flux*). However, feel free to explore other variables in the dataset and incorporate them into your analysis if they provide valuable insights.