DRAFT - 2021 Seismology Skill Building Workshop Final Assignment Rubric - DRAFT

Feature	4 - Excellent	3 - Good enough	2 - Getting There	1 - Needs Improvement	Score and Comments
Coding Effectiveness	The notebook is able to achieve the purpose for which it is created (e.g. to solve a specific scientific problem or provide an explanation to a scientific phenomenon).	The notebook is able to achieve the purpose for which it is created, except for a very minor glitches.	The notebook needs a few revisions for it to be able to serve its purpose.	The notebook does not really answer the problem or explain the phenomenon that it is designed to do.	
Coding Efficiency	Notebook is easy to follow, well documented, and uses the most direct approaches to efficiently handle the data throughout.	Notebook is mostly easy to follow and documented. Many have an extraneous function or contain an inefficient approaches to handling the data.	Notebook has documentation, but more would help others follow along. Contains extra functions and does not apply efficiently handle the data in many cases.	Notebook has little or no documentation, is convoluted, unnecessarily long, and/or contains unnecessary functions and does not efficiently handle the data in most cases.	
Scientific Understanding	The notebook demonstrates a clear an understanding of the science behind the data analysis used.	Student demonstrated moderate understanding of the science behind the data analysis used.	Student demonstrated some understanding of the science behind the data analysis used.	Student demonstrated little understanding of the science behind the data analysis used.	
Data analysis and visualization	Notebook contains multiple graphs and tables that help visualize and analyze the data	Notebook contains a few graphs and tables that help visualize and analyze the data, but more would be useful.	Notebook contains few graphs and tables but they are not really helpful for visualizing or analyzing the data.	The notebook book does not take advantage of graphs and tables to visualize and analyze the data.	