Name: Date: Class:

Teacher Rubric

Criteria	Excellent (4)	Good (3)	Fair (2)	Needs Improvement (1)
Data Conversion	Accurately converts .wav files to .csv format with no errors. Thoroughly documents the process.	Converts .wav files to .csv format with minor errors. Documentation is clear.	Converts .wav files but with several errors. Documentation is incomplete.	Fails to convert .wav files correctly. Documentation is lacking.
Python Programming	Demonstrates advanced proficiency in Python. Code is efficient, well-commented, and follows best practices.	Shows good proficiency in Python. Code is mostly efficient and well-commented.	Basic understanding of Python. Code works but lacks efficiency and comments.	Limited understanding of Python. Code is inefficient and poorly commented.
Data Analysis	Performs thorough data analysis using Google Colab. Insights are well-explained and supported by data.	Conducts good data analysis with some insights. Explanations are mostly clear.	Basic data analysis with minimal insights. Explanations are somewhat unclear.	Limited data analysis with few insights. Explanations are unclear.
Collaboration	Actively participates in group work. Contributes valuable ideas and helps peers effectively.	Participates in group work and contributes useful ideas.	Participates minimally in group work. Contributions are limited.	Rarely participates in group work. Contributions are minimal.
Problem Solving	Demonstrates excellent problem-solving skills. Overcomes challenges independently and creatively.	Shows good problem-solving skills. Overcomes most challenges with some help.	Basic problem-solving skills. Requires assistance to overcome challenges.	Limited problem-solving skills. Struggles to overcome challenges.
Documentation	Provides comprehensive and clear documentation of the entire process, including code and analysis.	Documentation is clear and covers most aspects of the process.	Documentation is incomplete and lacks clarity.	Poor documentation. Many aspects of the process are not covered.
Understanding Concepts	Demonstrates a deep understanding of computational thinking and data processing concepts.	Shows a good understanding of computational thinking and data processing concepts.	Basic understanding of computational thinking and data processing concepts.	Limited understanding of computational thinking and data processing concepts.