Teaching Music Data Management

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What are Music Data?

- (Music) Data are information in digital form that can be transmitted or processed (Merriam-Webster Dictionary)

Music Data Types

- Text, video, and audio

- Subdiscipline specific

Music Student as Researchers

🔍 Lack research experience

✓ Prefer readily available materials

📚 Use a wide array of formats in research

📊 Produce a wide array of formats during research and performance

Music Students and Data Management

🚫 Avoid data sharing

🔍 Interested in data preservation

✔ Less likely to understand data storage requirements

♫ Not sure what is music data

Music Data Management Curriculum

- An overview of the meaning of research data management.

- Data storage and backup best practices.

- The importance of clean data and a brief discussion about cleaning data using a software package such as OpenRefine.

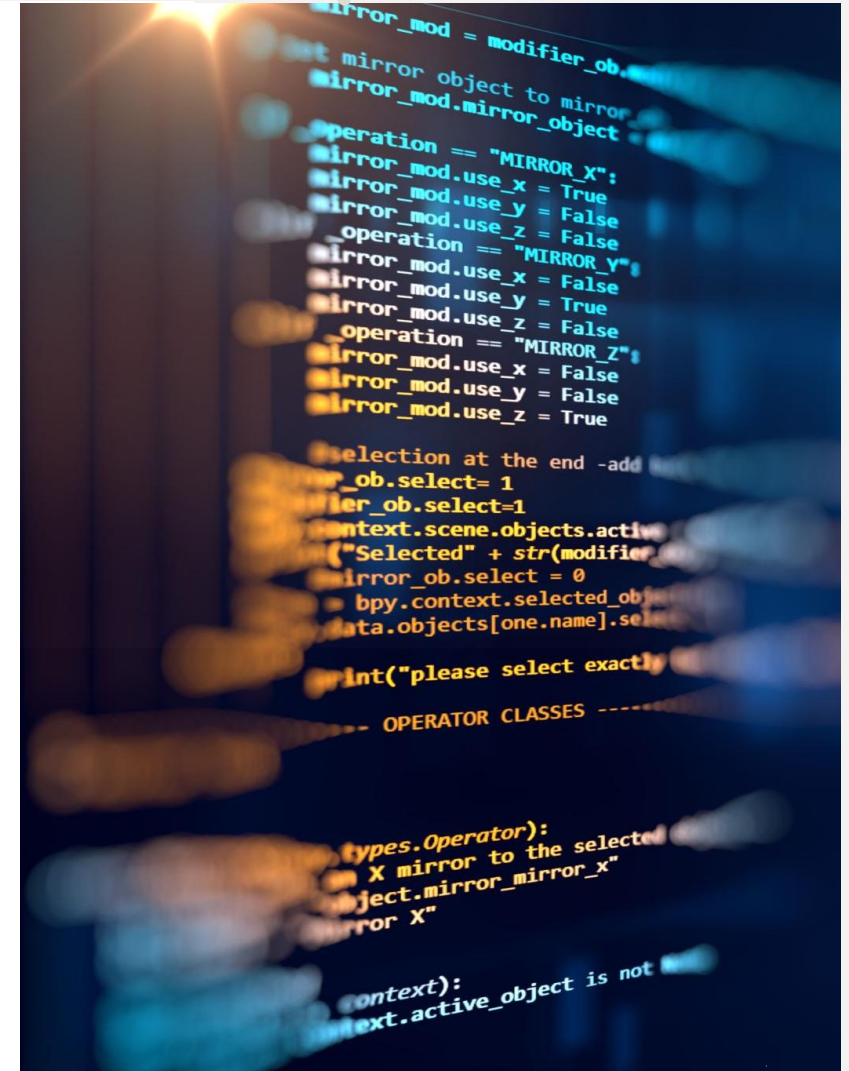- Data documentation, including descriptive metadata.

Music Data Management Curriculum (continued)

- Organizing data with good file naming conventions and folder structure.

- File format selection including a discussion of open file formats.

- A conversation about the products of research and intellectual property.

Music Data Management Curriculum (continued)

- A discussion about the importance of planning for the management of research data before research begins, including writing a data management plan

- Information about sharing appropriate research data in institutional, disciplinary, or general public access repositories.

Class Activity

- Designed to complement the curriculum

- Includes relevant scenarios

- Can be completed in class

Future Directions

- Design more activities

- Explore concepts in more depth

- Expand the instruction to undergraduate students

References

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