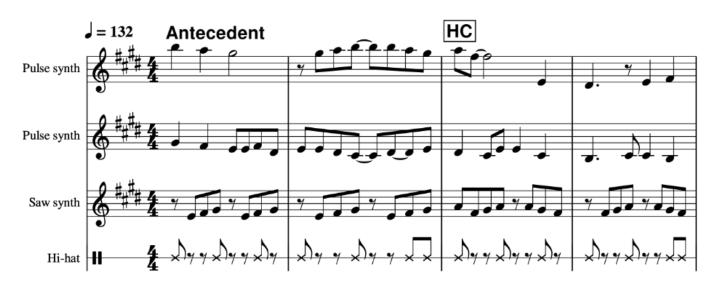
MTO 29.1 Examples: Lavengood and Williams, The Common Cold

(Note: audio, video, and other interactive examples are only available online) https://www.mtosmt.org/issues/mto.23.29.1/mto.23.29.1.lavengoodwilliams.php

Example 1. Measures 1–3 of "Pifa" from Handel's *Messiah*. This music exhibits key facets of the pastoral topic: simple harmony and melody, compound meter, slow tempo, and scoring for strings.

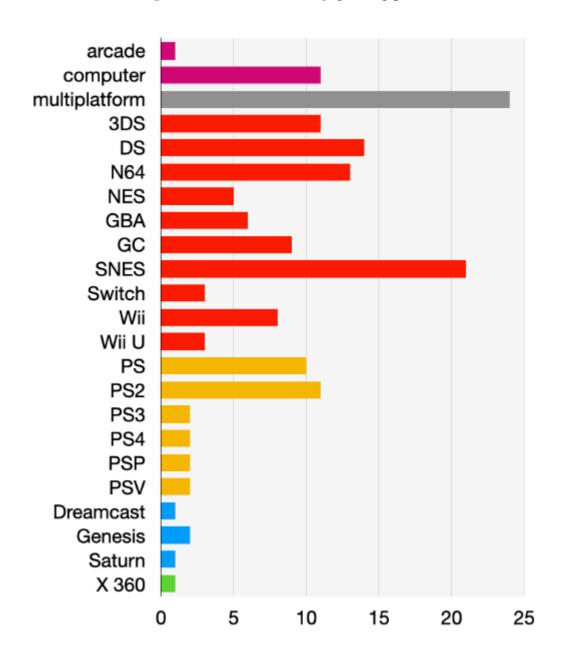


Example 2. "Pewter City" in *Pokémon Red/Blue* (1996, Nintendo GameBoy) is representative of the town topic in video game music

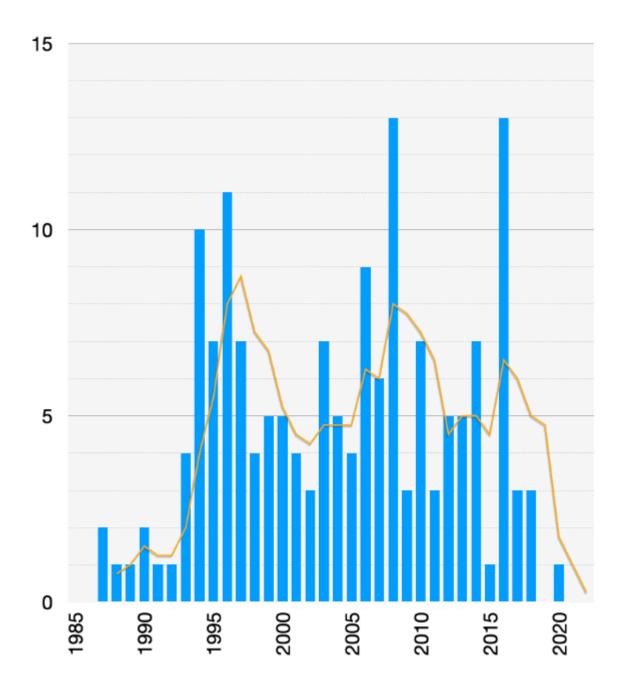




Example 3. Dataset divided by gaming platform



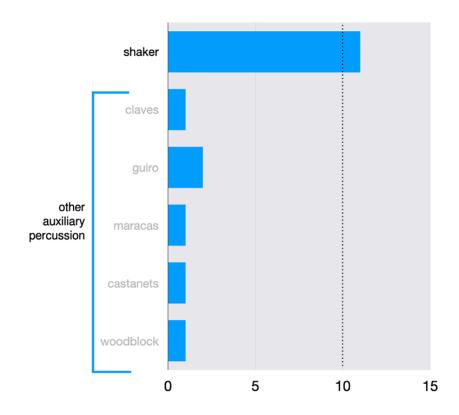
Example 4. Dataset divided by year



Example 5. "Toy Day" from *Animal Crossing: New Horizons* (2020), annotated with tags that would be entered in our dataset for this excerpt

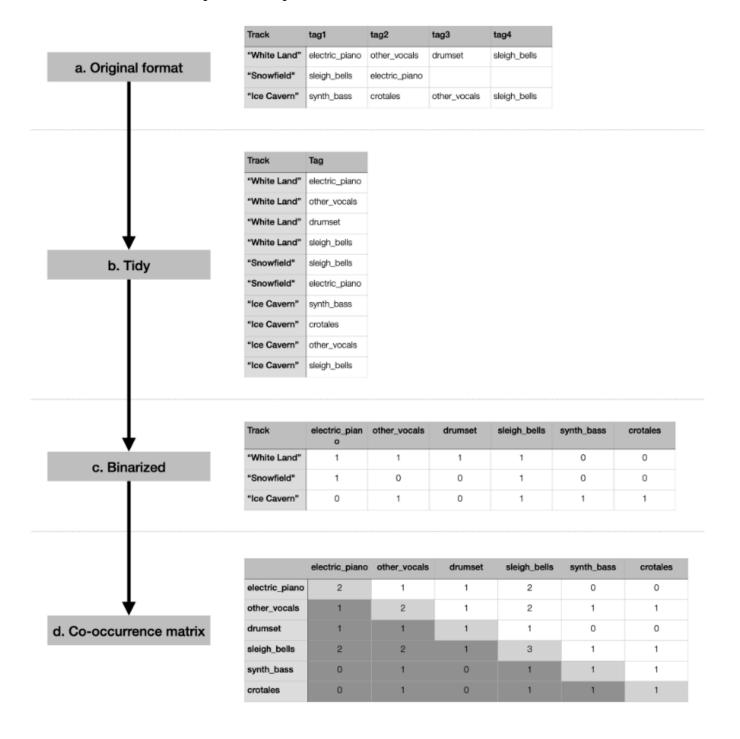


Example 6. Illustration of meta-tag exploratory analysis, and of grouping certain lower-level tags into a catch-all tag (#other_auxiliary_percussion)

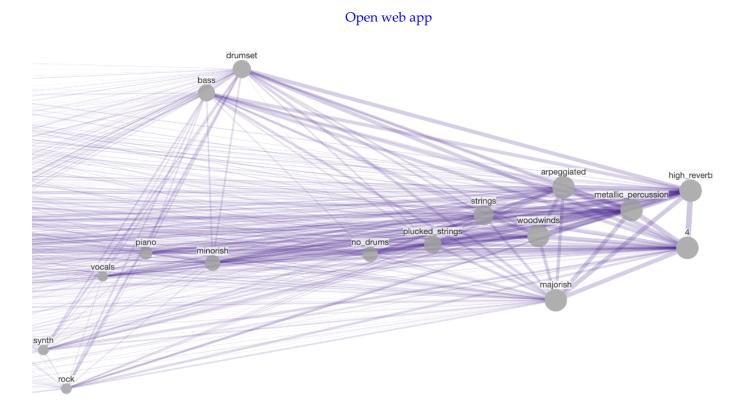


Example 7. Library of musical features used as tags in the database

Example 8. An illustration of how preprocessing transforms the data in stages. These tables use simplified sample data, rather than our actual dataset



Example 9. The central cluster of tags that represent winter's most important musical characteristics. Each tag (that is, each musical characteristic) is a node; two nodes are connected whenever an example exhibits both features. Size correlates to importance: larger nodes are more common tags, and thicker lines mean more examples had both connected tags.



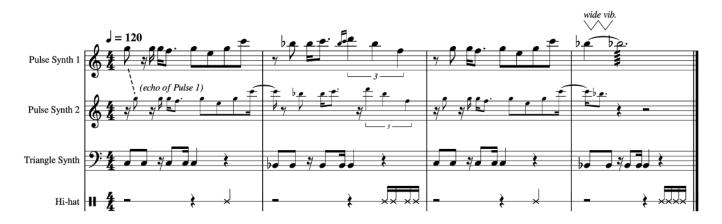
Example 10. Music for 5 p.m. from *Animal Crossing: New Horizons*, on sunny days (a) and on snowy days (b)



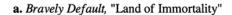
Example 11. "Frozen Hyrule" from *The Legend of Zelda: Four Swords* (2002, Nintendo GameBoy Advance) exhibits several of the musical features given in Example 9: an arpeggiated accompaniment (harp), an absence of drums, and use of metallic percussion (crotales and sleigh bells) and woodwinds (flute)



Video Example 1. "Iceman Stage" from *Mega Man* (1987, Nintendo Entertainment System) sacrifices one of four available monophonic lines in order to create a reverb effect



Example 12. A rough transcription and reduction of several examples with arpeggiated accompaniments







c. Secret of Mana, "A Bell is Tolling" top voice transposed down one octave for visual clarity



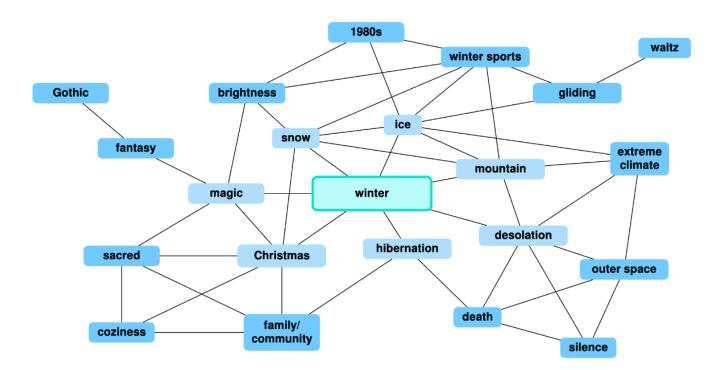
d. Stardew Valley, "Marimba of Frozen Bones"



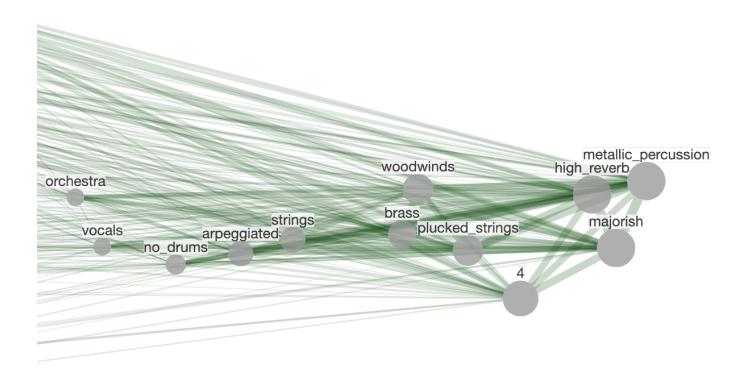
e. Gradus Gaiden, "Snowfield" top voice transposed up one octave for visual clarity

f. Persona 3 FES, "The Snow Queen"

Example 13. Portion of a semiotic code surrounding winter



Example 14. The most important musical features of Christmas, based on examples in our database that explicitly reference Christmas visually and/or narratively. Compare against Example 9, which includes all examples of winter video game music (including Christmas video game music).



Example 15. "Christmas Town" from *Kingdom Hearts II: Final Mix* (2007, PlayStation 2) exemplifies the musical features shown in Example 14



Video Example 2. "Ice Cap Zone" from *Sonic the Hedgehog 3* (1994, Sega Genesis) is one example of video game music that uses 1980s rock characteristics to suggest wintertime



Video Example 3. The gameplay during "A Snow Light" from *Tales of Symphonia* (2004, Nintendo GameCube) does not involve any gliding or skating (the player is exploring Flanoir, "The Snowy City"), but these intertextual resonances further amplify the winter topic in this example



Example 16. The jazz waltz of "Chilly Waters" from *Mario Party 3* (2000, Nintendo 64) suggests an intertext with "Skating" by Vince Guaraldi (1965)



Video Example 4. "Cool, Cool Mountain/Snowman's Land" from *Super Mario 64* (1996, Nintendo 64)



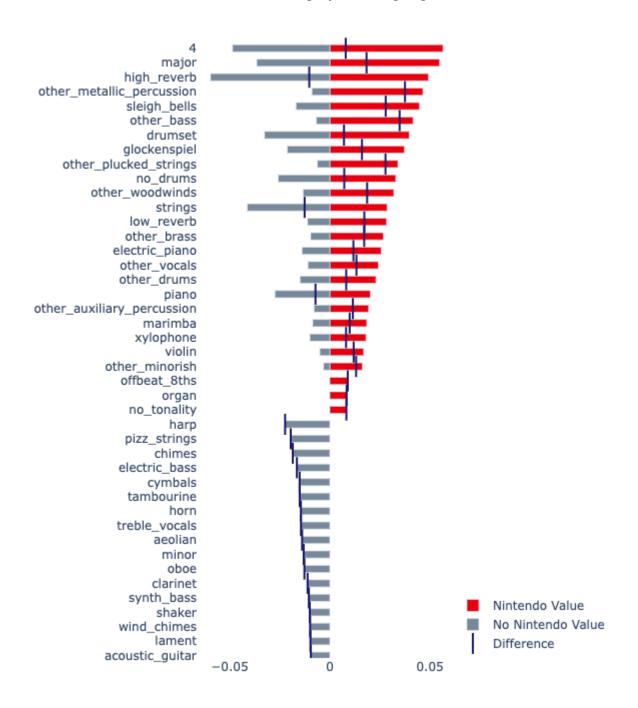
Video Example 5. "Vanilla Lake" from *Super Mario Kart* (1992, Super Nintendo Entertainment System)



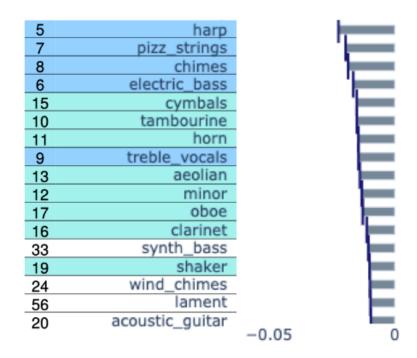
Video Example 6. "Frappe Snowland/Sherbet Land" from *Super Mario Kart 64* (1996, Nintendo 64)



Example 17. Importance (PageRank) of various musical features in winter video game music, in Nintendo-published games (red) vs. games from other publishers (gray). The black bar marks the difference in those values (red minus gray) and highlights imbalance between them



Example 18. The most important tags for non-Nintendo games that are unused by Nintendo games, paired with the tags' rank in prevalence in our dataset. Colors emphasize the rankings of the tags: blue highlights indicate top-ten tags; teal highlights indicate top-twenty tags.



Video Example 7. Gameplay clip of Shiveria Town from *Super Mario Odyssey* (2017, Nintendo Switch). The music for Shiveria Town is a jig and not overtly wintry, aside from the sleigh bells.

