References

Huron, David. 1999. *Music Research Using Humdrum: A User's Guide*.

> This book is the main reference for the presentation. It is the reference manual and the tutorial for the Humdrum Toolkit. There is also a more updated version on Humdrum's current website. Some information in the book version of the manual is outdated, e.g., the conversion tool from `**kern` to MIDI and the tool to play a `**kern` score is only available on MS-DOS. It also does not include the extra utilities created by Craig Sapp. However, the book version still has an advantage that the typography is much cleaner than the web version.

Huron, David. 2002. "Music Information Processing Using the Humdrum Toolkit: Concepts, Examples, and Lessons." In *Computer Music Journal*, 26:11–26. The MIT Press.

> The paper is a more succinct introduction to Humdrum. Its content is roughly equivalent to the first six chapters of the reference manual, but this was the paper that introduces Humdrum to the general researchers in computer music community. Previous discussion of Humdrum were mostly in the form of book chapters.

Jan, Steven. 2004. "Meme Hunting with the Humdrum Toolkit: Principles, Problems, and Prospects." In *Computer Music Journal*, 28:68–84. The MIT Press.

> The paper describes a practical example of using the Humdrum toolkit to perform musical analysis, in this case to search for musical memes, or simply a particular melodic pattern, in a database of scores. The search is mainly assisted by the `patt` and `pattern` command. The scores were first converted into scale degrees or melodic intervals, then perform pattern search in the `**deg` or `**mint` representation.

Jan, Steven. 2017. *The Memetics of Music: A Neo-Darwinian View of Musical Structure and Culture*. Routledge.

> The research on the memetics of music by Steven Jan was later expanded to a book. The Humdrum toolkit is only mentioned in the methodology chapter of the book, mostly a repetition of the 2004 paper, but the analysis results from Humdrum are used throughout the book. It is one of the most elaborated research projects using Humdrum besides David Huron's own works.

Sapp, Craig Stuart. 2005. "Online Database of Scores in the Humdrum File Format." In *Proceedings of the International Society for Music Information Retrieval*, 664–665.

This paper introduces the KernScores database. The transcription was performed by optical music recognition. The scores were first converted to MusicXML using a commercial tool known as SharpEye, then converted to Humdrum using a custom `xml2hum` script written by the author.