Humdrum

Overview

- What is Humdrum?
  - Set of general-purpose software tools
  - 1) Humdrum syntax 2) Humdrum toolkit
- What can it do?
  - Encode Information
  - Search

Kern syntax

- Used to represent basic information in Western Music
- It is simply ascii text

Selected features

- Harmonic interval identification
  - Explicit, passing, stacked harmonic intervals

```plaintext
**kern **hint **hint
M4/4 M4/4 P4/4 P4/4
P1 P1 P1 P1
8c 2cc P8 P8
8d - m7
4e - m6
M3 P4 M3 P4
```
Selected features

- Pitch transposition
- Pitch representation
  - ISO
  - Tonhöhe
  - French Solfège
- Midi processing

* **kern** **pitch** **Tonh** **solfg**
* M2/4  M2/4  M2/4  M2/4
* C:  C:  C:  C:
  8 cc  C5  C5  do5
  16 dd  D5  D5  re5
  =1 =1 =1 =1
  8 ee  E5  E5  mi5
  16 dd#  D#5  Dis5  re~d5
  4 ee  E5  E5  mi5