

Used Humdrum Commands

census - Display general properties of krn input

<http://www.humdrum.org/man/census/>

"It provides counts of the total number of records (lines), the number of unique interpretations encountered, the number of comments, the number of data records, the number of data tokens, null tokens, and multiple-stops."

context – return humdrum data records within a contextual frame

<http://www.humdrum.org/man/context/>

<http://www.humdrum.org/guide/ch23/>

Use this command create inventory of durations / duration patterns

```
context -b -o^= 'spines/inputfile.rcp' | rid -GLId | sort | uniq -c | sort -nr > spines/inputfile.txt
```

return example:

31 4	< – (31 quarter notes)
28 2	< – (28 half notes)
10 8	< – (10 eighth notes)
9 1	< – (9 whole notes)
4 4r	< – (4 quarter rests)
4 2r	< – (2 half rests)
3 1r	

dur – calculate time in seconds of musical durations

<http://www.humdrum.org/guide/ch23/>

```
dur -d inputfile.krn
```

extract - get specified spines from a Humdrum input

<http://www.humdrum.org/man/extract/>

```
extract -f 1 input.krn
```

extract 1st spine from input file

humsed – stream editor ; used to convert krn files to rcp files, so rhythm data can be extracted

<http://www.humdrum.org/man/humsed/>

```
humsed '/^[^=]/s/[^0-9.r ]//g; s/^[^$/.]' spines/input.krn > spines/input.rcp
```