

## Used Shell Commands

### **Extract duration counts from all files:**

```
#!/bin/bash
for filename in *.krn ; do

#count lines with **kern ; get number of spines
base=`basename -s .krn $filename`

numS=`grep -o '**kern' $base.krn | wc --l`

for (( i= 1; i<= $numS ; i++ )) ; do

#extract spine i from krn file ; save only duration data to rcp file ; sort and count note durations to txt
file
`extract -f $i $base.krn > spines/${base}S${i}.krn ; humsed '/^[^=]/s/[^0-9.r ]//g; s/^\$/./' spines/${
base}S${i}.krn > spines/${base}S${i}.rcp ; context -b -o^= "spines/${base}S${i}.rcp" | rid -GLId |
sort | uniq -c | sort -nr > spines/${base}S${i}.txt`

done

done
```

### **Result:**

```
95 4
13 4r
```

**There is a small issue, where in most of the files the command copies lines beginning with '= #' still, those lines can be ignored, for the refer to measure numbers and are not needed. The command also tends to pick up patterns as well as individual notes, I just combine those patterns into the total of individual notes. These errors are likely occurring due to the formatting of the krn files.**

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