
REPRESENTATION

****correl** — statistical correlation representation

DESCRIPTION

The ****correl** representation is used to characterize the degree of statistical correlation for successive moments. Data tokens for ****correl** decimal values ranging between -1 (perfect negative correlation) and 1 (perfect positive correlation).

FILE TYPE

It is recommended that files containing predominantly ****correl** data should be given names with the distinguishing '.cor' extension.

SIGNIFIERS

The following table summarizes the ****correl** mappings of signifiers and signifieds.

0-9	correlation values specified as integer or real value
.	decimal point; null token
+	plus sign (optional)
-	minus sign

*Summary of ****correl** Signifiers*

EXAMPLES

A sample document is given below:

```
**correl
*C:
*M4/4
.
0.0
+0.3037
+.52
0.6
0.211
.
-.241
-0.17
-1
0.221
.
*_
```

Notice that melodic accent values can be either real or integer values. Rests are represented by the single letter 'r'. --

PERTINENT COMMANDS

The following Humdrum command produces ****correl** data as output:

correl calculate numerical correlation between two spines

TANDEM INTERPRETATIONS

The following tandem interpretations can be used in conjunction with ****correl**:

meter signatures	*M6/8
key signatures	*k [f#c#]
key	*c#:

*Tandem interpretations for ****correl***

SEE ALSO

barlines (2), **correl (4)**, ****simil (2)**, **simil (4)**