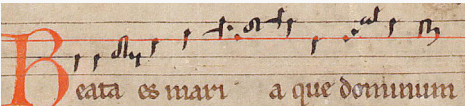


A. Melodic transcriptions in Cantus

manuscript



volpiano

1--d--d--dfd--dc---f---g--ghgf-ghg-hj--h-

rendering

neumes



B. Classical

final, range, initial
random forest

C. Profile

pitch (class) profile
k-NN classifier

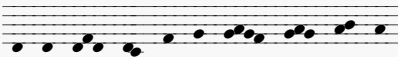
D. Distributional

tf-idf vectors
linear SVC classifier

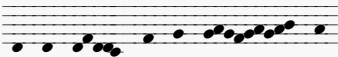
E. Segmentations

natural units

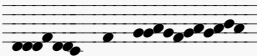
neume



syllable

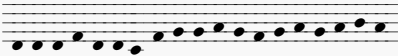


word

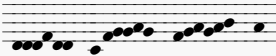


baselines

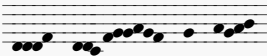
1-gram



6-gram



poisson



F. Melodic representations

pitch

| d | d | dfddc | f | g | ghgfghghj | h | f |

dependent intervals

| - | - | -³ 3-2 | ⁵ | 2 | -² 2 2 ² 2 ² 2 | 2 | 4 |

independent intervals

| . | . | . ³ 3-2 | . | . | . ² 2 2 ² 2 ² 2 | . | . |

dependent contours

| - | - | -[^]_v-_v | [^] | [^] | -[^]_v_v [^][^]_v [^][^] | _v | _v |

independent contours

| . | . | . [^]_v-_v | . | . | . [^]_v_v [^][^]_v [^][^] | . | . |

Legend pitch in Volpiano; intervals in semitones ^{up} or _{down}; and contour up [^], down _v or the same -. Omitted interval/contour to previous unit: .